

Chip Multilayer Ceramic Capacitors for General





Product specifications are as of September 2017.

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Chip Multilayer Ceramic Capacitors for General Purpose GRM Series	
High Effective Capacitance & High Ripple Current Chip Multilayer Ceramic Capacitors	
for General Purpose GR3 Series	,
Soft Termination Chip Multilayer Ceramic Capacitors for General Purpose GRJ Series	
Chip Multilayer Ceramic Capacitors for Ethernet LAN and Primary-secondary Coupling of DC-DC Converters GR4 Series	p30
Chip Multilayer Ceramic Capacitors for Camera Flash circuit only GR7 Series	
High Q Chip Multilayer Ceramic Capacitors for General Purpose GJM Series	p30
High Q and High Power Chip Multilayer Ceramic Capacitors for General Purpose GQM Series	
Based on the Electrical Appliance and Material Safety Law of Japan Chip Multilayer Ceramic Capacitors for General Purpose GA2 Series	-
Safety Standard Certified Chip Multilayer Ceramic Capacitors for General Purpose / IEC60384-14 Class X2 GA3 Series Type GB	
Safety Standard Certified Chip Multilayer Ceramic Capacitors for General Purpose / Acquired certifications of UL60950-1 GA3 Series Type GD)
Safety Standard Certified Chip Multilayer Ceramic Capacitors for General Purpose / Acquired certifications of IEC60384-14 Class X1/Y2 and UL60950-1 GA3 Series Type GF	•
LW Reversed Low ESL Chip Multilayer Ceramic Capacitors for General Purpose LLL Series — p219 LLL Series Specifications and Test Methods — p221	



G M

GA2

GA3 GD

	Cap. Table
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LW Reversed Controlled ESR Low ESL Chip Multilayer Ceramic Capacitors for General Purpose LLR Series	
3 Terminals Low ESL Chip Multilayer Ceramic Capacitors for General Purpose NFM Series	
Metal Terminal Type Multilayer Ceramic Capacitors for General Purpose KRM Series	
High Effective Capacitance & High Allowable Ripple Current Metal Terminal Type Multilayer Ceramic Capacitors for General Purpose KR3 Series ······· p243 KR3 Series Specifications and Test Methods (1) ·····························p246	
Wire Bonding Mount Multilayer Microchip Capacitors for General Purpose GMA Series	·
Wire Bonding/AuSn Soldering Mount Chip Multilayer Ceramic Capacitors for General Purpose GMD Series	·
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Please check the MURATA website (https://www.murata.com/) if you cannot find a part number in this catalog.

EU RoHS Compliant

- All the products in this catalog comply with EU RoHS.
- EU RoHS is "the European Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment."
- For more details, please refer to our web page, "Murata's Approach for EU RoHS" (https://www.murata.com/eneu/support/compliance/rohs).

Qualified Standards

- The products listed here have been produced by ISO 9001 certified factory. <Plant>
 - Fukui Murata Mfg. Co., Ltd.
 - Izumo Murata Mfg. Co., Ltd.
 - Murata Electronics Singapore (Pte.) Ltd.
 - * Wuxi Murata Electronics Co., Ltd.
 - PHILIPPINE MANUFACTURING CO. OF MURATA, INC.

GMD

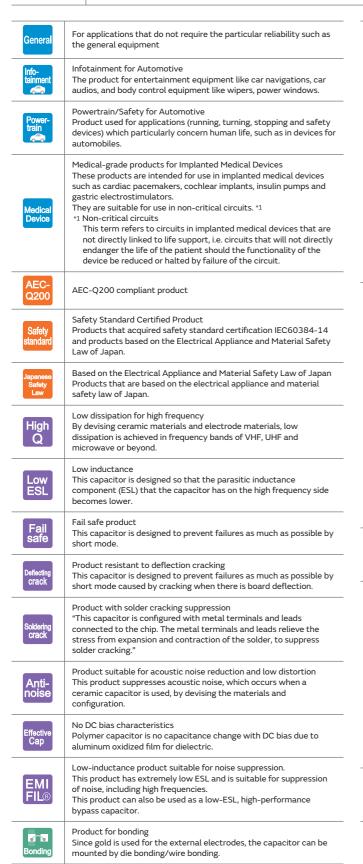
Caution (



Explanation of Symbols in This Catalog



Links are provided to the latest information from the PDF version of the catalog, which is available on the web.

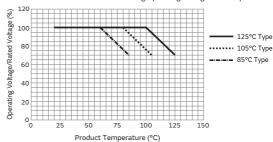


Derating 1

This product is suitable when a voltage continuously applied to a capacitor in an operating circuit, is used below (derated) the rated voltage of the capacitor. This model guarantees the test conditions in the endurance test, at a rated voltage x 100% at the maximum operating temperature. A reliability assurance level equivalent to a common product can be secured, by using this product within the voltage and temperature derated conditions recommended in the figure below.

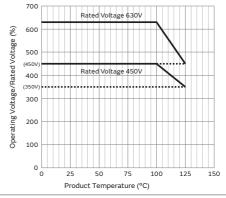
D1

Recommended Conditions of the Derating Operating Voltage and Temperature



Derating 2

When the product temperature exceeds 105° C, please use this product within the voltage and temperature derated conditions in the figure below.



D3

D2

Derating 3

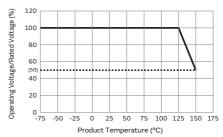
Please apply the derating curve according to the operating temperature.

Please refer to detailed specifications sheet for details.

Derating 4

When the product temperature exceeds 125°C, please use this product within the voltage and temperature derated conditions in the figure below.





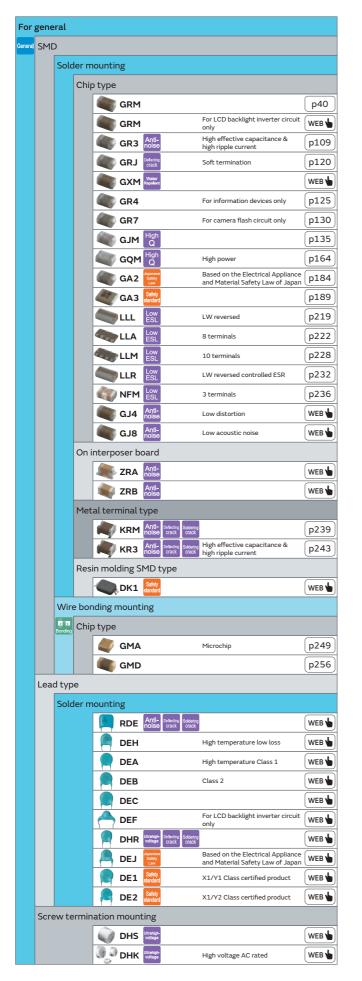
D5

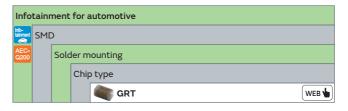
Derating
5

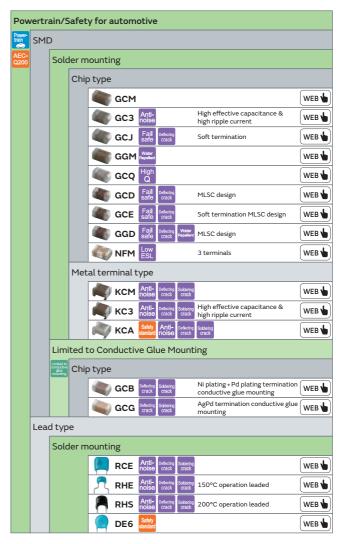
Derating 5

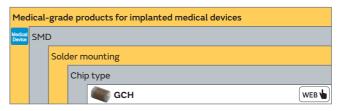
Please apply the rated voltage derating over 150 °C. Please refer to detailed specifications sheet for details.

Selection Guide for Capacitors



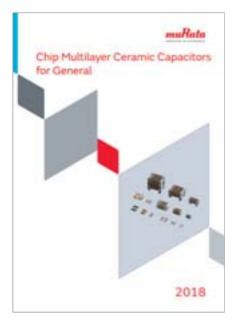






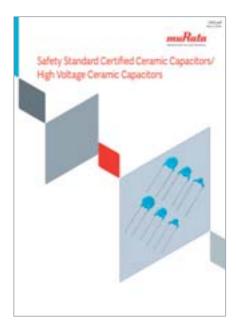
Catalog Information

Catalog relates to a multilayer ceramic capacitor is below.



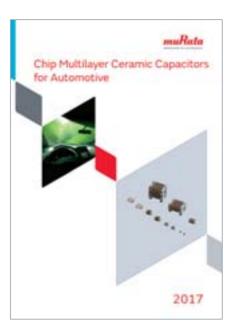
Chip Multilayer Ceramic Capacitors for General

Cat No. C02E-21



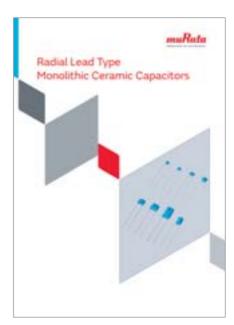
Safety Certified Ceramic Capacitors/ High Voltage Ceramic Capacitors

Cat No. C85E-5



Chip Multilayer Ceramic Capacitors for Automotive

Cat No. C03E-9



Radial Lead Type

Monolithic Ceramic Capacitors

Cat No. C49E-23

Part Numbering

Chip Multilayer Ceramic Capacitors for General



(Part Number)

GR M 18 8 B1 1H 102 K A01 D

1 Product ID 2 Series

Product ID	Code	Series
GA 2		Based on the Electrical Appliance and Material Safety Law of Japan Chip Multilayer Ceramic Capacitors for General Purpose
		Safety Standard Certified Chip Multilayer Ceramic Capacitors for General Purpose
GJ	М	High Q Chip Multilayer Ceramic Capacitors for General Purpose
OM	Α	Wire Bonding Mount Multilayer Microchip Capacitors for General Purpose
GM	D	Wire Bonding/AuSn Soldering Mount Chip Multilayer Ceramic Capacitors for General Purpose
GQ	М	High Q and High Power Chip Multilayer Ceramic Capacitors for General Purpose
	3	High Effective Capacitance & High Ripple Current Chip Multilayer Ceramic Capacitors for General Purpose
	4	Chip Multilayer Ceramic Capacitors for Camera Flash Circuit only
GR	7	Chip Multilayer Ceramic Capacitors for Ethernet LAN and Primary-secondary Coupling of DC-DC Converters
	J	Soft Termination Chip Multilayer Ceramic Capacitors for General Purpose
	М	Chip Multilayer Ceramic Capacitors for General Purpose
KR	3	High Effective Capacitance & High Allowable Ripple Current Metal Terminal Type Multilayer Ceramic Capacitors for General Purpose
KK	М	Metal Terminal Type Multilayer Ceramic Capacitors for General Purpose
	A 8 Terminals Low ESL Chip Multilayer Ceramic Capacitors for General Purpose	
LL	L	LW Reversed Low ESL Chip Multilayer Ceramic Capacitors for General Purpose
LL	М	10 Terminals Low ESL Chip Multilayer Ceramic Capacitors for General Purpose
	R	LW Reversed Controlled ESR Low ESL Chip Multilayer Ceramic Capacitors for General Purpose

3Chip Dimensions (LxW)

Code	Dimensions (LxW)	EIA
02	0.4x0.2mm	01005
OD	0.38x0.38mm	015015
03	0.6x0.3mm	0201
05	0.5x0.5mm	0202
08	0.8x0.8mm	0303
10	0.6x1.0mm	02404
15	1.0x0.5mm	0402
18	1.6x0.8mm	0603
21	2.0x1.25mm	0805
22	2.8x2.8mm	1111
31	3.2x1.6mm	1206
32	3.2x2.5mm	1210
42	4.5x2.0mm	1808
43	4.5x3.2mm	1812
52	5.7x2.8mm	2211
55	5.7x5.0mm	2220

Continued on the following page. \nearrow

(Part Number)

GR M 18 8 B1 1H 102 K A01 D

9 9 9 9 6 0 0 9 9 0

Continued from the preceding page. \searrow

4 Height Dimension (T) (Except KR□)

Code	Dimension (T)
2	0.2mm
3	0.3mm
4	0.4mm
5	0.5mm
6	0.6mm
7	0.7mm
8	0.8mm
9	0.85mm
Α	1.0mm
В	1.25mm
С	1.6mm
D	2.0mm
E	2.5mm
М	1.15mm
Q	1.5mm
Х	Depends on individual standards.

4Height Dimension (T) (KR□ Only)

Code	Dimension (T)
E	1.8mm
F	1.9mm
K	2.7mm
L	2.8mm
Q	3.7mm
Т	4.8mm
W	6.4mm

⑤Temperature Characteristics

	Temperature T						(0/)					
Charac	teristic Co	odes	Temperature Characteristics		Operating	Capacitance Change Each Temperature (%)						
Code	Public		Reference	Temperature	Capacitance Change or Temperature	Temperature Range			*6		-10°C	
Code	STD Co	de	Temperature	Range	Coefficient		Max.	Min.	Max.	Min.	Max.	Min.
1X	SL	JIS	20°C	20 to 85°C	+350 to -1000ppm/°C	–55 to 125°C	-	-	-	-	-	-
2C	СН	JIS	20°C	20 to 125°C	0±60ppm/°C	–55 to 125°C	0.82	-0.45	0.49	-0.27	0.33	-0.18
3C	CJ	JIS	20°C	20 to 125°C	0±120ppm/°C	–55 to 125°C	1.37	-0.9	0.82	-0.54	0.55	-0.36
3U	UJ	JIS	20°C	20 to 85°C	-750±120ppm/°C	–25 to 85°C	-	-	4.94	2.84	3.29	1.89
4C	CK	JIS	20°C	20 to 125°C	0±250ppm/°C	–55 to 125°C	2.56	-1.88	1.54	-1.13	1.02	-0.75
5C	COG	EIA	25°C	25 to 125°C	0±30ppm/°C	–55 to 125°C	0.58	-0.24	0.4	-0.17	0.25	-0.11
5G	X8G	*2	25°C	25 to 150°C	0±30ppm/°C	–55 to 150°C	0.58	-0.24	0.4	-0.17	0.25	-0.11
7U	U2J	EIA	25°C	25 to 125°C *3	-750±120ppm/°C	–55 to 125°C	8.78	5.04	6.04	3.47	3.84	2.21
B1	B *1	JIS	20°C	−25 to 85°C	±10%	–25 to 85°C	-	-	-	-	-	-
В3	В	JIS	20°C	−25 to 85°C	±10%	–25 to 85°C	-	-	-	-	-	-
С7	X7S	EIA	25°C	-55 to 125°C	±22%	–55 to 125°C	-	-	-	-	-	-
C8	X6S	EIA	25°C	-55 to 105°C	±22%	–55 to 105°C	-	-	-	-	-	-
D7	X7T	EIA	25°C	-55 to 125°C	+22%, -33%	–55 to 125°C	-	-	-	-	-	-
D8	X6T	EIA	25°C	-55 to 105°C	+22%, -33%	–55 to 105°C	-	-	-	-	-	-
E7	X7U	EIA	25°C	-55 to 125°C	+22%, –56%	–55 to 125°C	-	-	-	-	-	-
R1	R *1	JIS	20°C	-55 to 125°C	±15%	–55 to 125°C	-	-	-	-	-	-
R6	X5R	EIA	25°C	−55 to 85°C	±15%	–55 to 85°C	-	-	-	-	-	-
R7	X7R	EIA	25°C	-55 to 125°C	±15%	–55 to 125°C	-	-	-	-	-	-
wo	V7T	EIA	25°C	FF +- 12F00	±10% *4	–55 to 125°C	-	-	-	-	-	-
WO	X7T	EIA	25°C	–55 to 125°C	+22%, -33% *5	-55 to 125°C	-	-	-	-	-	-

 $^{^{*}1}$ Capacitance change is specified with 50% rated voltage applied.

Continued on the following page. ${\cal J}$

 $^{^{*}2}$ Murata Temperature Characteristic Code.

^{*3} Rated Voltage 100Vdc max: 25 to 85°C

^{*4} Apply DC350V bias.

^{*5} No DC bias.

^{*6 –25°}C (Reference Temperature 20°C) / –30°C (Reference Temperature 25°C)

(Part Number)

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Continued from the preceding page.

6Rated Voltage

- rated veltage	
Code	Rated Voltage
OE	DC2.5V
0G	DC4V
٥٦	DC6.3V
1A	DC10V
1C	DC16V
1E	DC25V
1H	DC50V
1J	DC63V
1K	DC80V
2A	DC100V
2D	DC200V
2E	DC250V
2W	DC450V
2H	DC500V
2J	DC630V
ЗА	DC1kV
3D	DC2kV
3F	DC3.15kV
BB	DC350V
E2	AC250V
GB	X2; AC250V (Safety Standard Certified Type GB)
GD	Y3; AC250V (Safety Standard Certified Type GD)
GF	Y2, X1/Y2; AC250V (Safety Standard Certified Type GF)
YA	DC35V

Capacitance

Expressed by three-digit alphanumerics. The unit is picofarad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two numbers. If there is a decimal point, it is expressed by the capital letter "R." In this case, all figures are significant digits. If any alphabet, other than "R", is included, this indicates the specific part number is a non-standard part.

Ex.)	Code	Capacitance
	R50	0.50pF
	1R0	1.0pF
	100	10pF
	103	10000pF

8 Capacitance Tolerance

Code	Capacitance Tolerance
В	±0.1pF
С	±0.25pF
D	±0.5pF (Less than 10pF)
Ь	±0.5% (10pF and over)
F	±1%
G	±2%
J	±5%
K	±10%
М	±20%
W	±0.05pF

9Individual Specification Code (Except **LLR**) Expressed by three figures.

9ESR (**LLR** Only)

Code	ESR
E01	100mΩ
E03	220mΩ
E05	470mΩ
E07	1000mΩ

Packaging

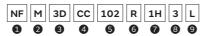
Code	Packaging
L	ø180mm Embossed Taping
D/E/W	ø180mm Paper Taping
K	ø330mm Embossed Taping
J/F	ø330mm Paper Taping
Т	Bulk Tray

Please contact us if you find any part number not provided in this table.

3 Terminal Low ESL Multilayer Ceramic Capacitors



(Part Number)



1 Product ID 2 Series

Product ID	Series
NFM	3 Terminals Low ESL Chip Multilayer Ceramic Capacitors

3Dimensions (LxW)

Code	Dimensions (LxW)	EIA
15	1.0x0.5mm	0402
18	1.6x0.8mm	0603
21	2.0x1.25mm	0805
3D	3.2x1.25mm	1205
31	3.2x1.6mm	1206
41	4.5x1.6mm	1806

4 Features

Code	Fe	atures
cc		For Signal Lines
PC		For Large Current
PS	For General	High Insertion Loss Type for Large Current
кс		For Very Large Current

GCapacitance

Expressed by three figures. The unit is in pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

6Characteristics

Code	Capacitance Temperature Characteristics
В	±10%, ±12.5%, +10/-13%
С	±22%
D	+22/-33%
F	+30/-80%, +30/-84%
R	±15%, +15/-18%

7Rated Voltage

Code	Rated Voltage
0E	2.5V
0G	4V
01	6.3V
1A	10V
1C	16V
1E	25V
1H	50V
2A	100V

8 Electrode

Code	Electrode
3	Sn Plating

Packaging

Code	Packaging
В	Bulk
L	Embossed Taping (ø180mm Reel)
D	Paper Taping (ø180mm Reel)



How to read the Capacitance Table

L×W (mm)	0.4	×0.2			0.6	_		
T max. (mm)	0.	22			0.		L.	The values can be narrowed down in the order of size,
Rated Voltage (Vdc)	2	5		5	0			rated voltage, and temperature characteristics.
Cap. / TC Code	COG	СΔ	COG	CK	Cl	_		
0.10pF				1 1 1 1		_		
0.20pF	p140	p143	p146	p146				
1.0pF	p140	p143		p146				Refers to the page of the part number list. Check the part number list for the applicable product number.
2.0pF	p140	p143		p146				
3.0pF	p140	p143		 	p146			

Temperature Characteristics Table

The Table is colored by temperature characteristic codes. Refer to the following Table for the meaning of each code.

 EIA:
 COG
 U2J
 X7R
 X7S
 X7T
 X7U
 X6S
 X6T
 X5R

 JIS:
 CK
 CJ
 CH
 SL
 UJ
 R
 B

Murata Temperature Characteristic: X8G

Temperature Characteristic C		Те	mperature Char	acteristics	Operating	Capacitance Change Each Temperature (%)											
Public		Reference	Temperature	Capacitance Change	Temperature Range	-5	5°C	*	3	-10	0°C						
STD Code		Temperature	Range	or Temperature Coefficient		Max.	Min.	Max.	Min.	Max.	Min.						
COG	EIA	25°C	25 to 125°C	0±30ppm/°C	–55 to 125°C	0.58	-0.24	0.4	-0.17	0.25	-0.11						
СК	JIS	20°C	20 to 125°C	0±250ppm/°C	–55 to 125°C	2.56	-1.88	1.54	-1.13	1.02	-0.75						
Cl	JIS	20°C	20 to 125°C	0±120ppm/°C	–55 to 125°C	1.37	-0.9	0.82	-0.54	0.55	-0.36						
СН	JIS	20°C	20 to 125°C	0±60ppm/°C	−55 to 125°C	0.82	-0.45	0.49	-0.27	0.33	-0.18						
SL	JIS	20°C	20 to 85°C	+350 to -1000ppm/°C	−55 to 125°C	-	-	-	-	-	-						
U2J	EIA	25°C	25 to 125°C *2	-750±120ppm/°C	−55 to 125°C	8.78	5.04	6.04	3.47	3.84	2.21						
ΟΊ	JIS	20°C	20 to 85°C	-750±120ppm/°C	–25 to 85°C	-	-	4.94	2.84	3.29	1.89						
X8G	*1	25°C	25 to 150°C	0±30ppm/°C	−55 to 150°C	0.58	-0.24	0.4	-0.17	0.25	-0.11						
X7R	EIA	25°C	−55 to 125°C	±15%	−55 to 125°C	-	-	-	-	-	-						
X7S	EIA	25°C	−55 to 125°C	±22%	−55 to 125°C	-	-	-	-	-	-						
X7T	EIA	25°C	−55 to 125°C	+22%, -33%	−55 to 125°C	-	-	-	-	-	-						
X7U	EIA	25°C	−55 to 125°C	+22%, –56%	−55 to 125°C	-	-	-	-	-	-						
R	JIS	20°C	−55 to 125°C	±15%	−55 to 125°C	-	-	-	-	-	-						
X6S	EIA	25°C	−55 to 105°C	±22%	−55 to 105°C	-	-	-	-	-	-						
X6T	EIA	25°C	−55 to 105°C	+22%, -33%	−55 to 105°C	-	-	-	-	-	-						
X5R	X5R EIA 25°C -55 to 85°C		-55 to 85°C	±15%	-55 to 85°C	-	-	-	-	-	-						
В	JIS	20°C	-25 to 85°C	±10%	−25 to 85°C	-	-	_	-	-	-						

^{*1} Murata Temperature Characteristic Code.

^{*2} Rated Voltage 100Vdc max: 25 to 85°C

^{*3 –25°}C (Reference Temperature 20°C) / –30°C (Reference Temperature 25°C)

Poo ← Part Num		-	JIS:		COII				n Abe		A: C0	G U	2.1														
L×W (mm)	nber L	IST		×0.2	(2)	CH	5		0.6		A: CO	G U	2.J			1.0×0.	5						16	×0.8			
T max. (mm)				22					0.07							0.55						0		-0.0		0.	.9
Rated Voltage (Vdc)	5	0	2	25	1	.6	10	00	5	0	2	25	1	00	5	0		10			50			10		10	00
Cap. / TC Code	COG	СД	COG	СН	COG	СН	COG	СД	COG	СД	COG	СН	COG		COG	СД	SL	U2J	UJ	SL	U2J	UJ	SL	U2J	UJ	COG	СД
0.10pF 0.20pF	p41	p44	i				p48	p51	p55	p58			p62	p65	p69	p72											
0.50pF	p41	p44					p48 p48	p51 p51	p55 p55	p58			p62 p62	p65	p69 p69	p72					for ev					p76	p79
1.0pF	p41	p44					p48	p51	p55	p58			p62	p65	p69	p72					or les					p76	p80
2.0pF	p41	p44					p48	p52	p55	p58			p62	p66	p69	p73		deta								p77	p80
3.0pF	p41	p45					p48	p52	p55	p59			p63	p66	p69	p73										p77	p80
4.0pF 5.0pF	p42	p45 p45		i			p49 p49	p52 p52	p56 p56	p59			p63	p66	p70 p70	p73										p77	p80 p81
6.0pF	p42	p46					p49	p53	p56	p60			p63	p67	p70	p74										p78	p81
7.0pF	p43	p46					p50	p53	p57	p60			p64	p67	p71	p74										p78	p81
8.0pF	p43	p46					p50	p53	p57	p60			p64	p68	p71	p74										p79	p82
9.0pF	p43	p47					p50	p54	p57	p61			p65	p68	p71	p75										p79	p82
10pF 11pF	p44	p47		ŀ			p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
12pF	p44	p47					p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
13pF	p44	p47																									
15pF	p44	p47		į			p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
16pF 17pF	p44	p47																									
18pF	p44	p47					p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
19pF	p44	p47																									
20pF	p44	p47					p51	p54																			
21pF 22pF	p44	p47					p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
23pF	p44	p47					рэт	рэч	рэс	poi			роз	poo	PIZ	pro										P13	роз
24pF	p44	p47					p51	p54																			
27pF	p44	p47					p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
30pF	p44	p47					p51	p54	50	-61																70	
33pF 36pF	p44	p47		ŀ			p51 p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
39pF	p44	p47					p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
43pF	p44	p47					p51	p54																			
47pF	p44	p47					p51	p54	p58	p61			p65	p68	p72	p75										p79	p83
51pF 56pF	p44	p47					p51	p54 p54	p58	p61			p65	p68	p72	p75										p79	p83
62pF	p44	p47					p51	p55	PSS	por			роз	Poo	P	p.o										P. 3	рос
68pF	p44	p47					p51	p55	p58	p61			p65	p68	p72	p75	j									p79	p83
75pF	p44	p47					p51	p55																			
82pF 91pF	p44	p47		1			p51	p55 p55	p58	p61			p65	p68	p72	p75										p79	p83
100pF	p44	p47					p51	p55	p58	p61			p65	p69	p72	p75										p79	p83
120pF			p47	p47	p47	p47			p58	p61					p72	p75										p79	p83
150pF			p47	p47	p47	p48			p58	p61					p72	p75										p79	p83
180pF			p47	p47	p47	p48			p58	p61					p72	p75										p79	p83
220pF 270pF			p47	p47	p47	p48			p58	p61	p61	p62			p72	p76										p79 p79	p83
330pF											p61	p62			p72	p76										p79	p83
390pF											p62	p62			p72	p76										p79	p83
470pF											p62	p62			p72	p76										p79	p83
560pF 680pF											p62 p62	p62			p72	p76										p79 p79	p83
820pF											p62	p62			p72	p76										p79	p83
910pF											p62																
1000pF											p62	p62			p72	p76										p79	p83
1200pF 1500pF																	p76	p76 p76	p76							p79 p79	p83 p83
1800pF																	p76	p76	p76								
2200pF																	p76	p76	p76	p76	p76	p76					
2700pF																	p76	p76	p76	p76	p76	p76					
3300pF 3900pF																	p76	p76 p76	p76	p76	p76	p76					
4700pF																	p76	p76	p76	p76	p76	p76					
5600pF																							p76	p76	p76		
6800pF																							p76	p76	p76		
8200pF 10000pF																							p76	p76	p76		
12000pF				1																			p76	p76	p76		
15000pF																											
18000pF																											
22000pF																											
27000pF 33000pF																											
39000pF																											
47000pF																											
56000pF																											
68000pF 82000pF																											
0.10µF																											
0.12µF																											
																											_

000 ← Part Nun	nber L	ist	JIS:		C1	CH	S	L	וו	EIA	A: C0	G U	2.J														
L×W (mm)					×0.8												2	.0×1.2									
T max. (mm)			50	0	.9		10			00	I	0.7	50					50	0.9	95	Ι	10		620	1.		20
Cap. / TC Code	COG	СД	SL	U2J	LUJ	SL	U2J	UJ	COG	_	COG	СН	SL	U2J	UJ	COG	СН	SL	U2J	UJ	SL	U2J	UJ	630 C0G	COG		C0
0.10pF				525	55		525			5.1		2.1		723		200	2.1		525			5.5	23		_54		
0.20pF																											
0.50pF	p83	p86																									
1.0pF	p83	p86																									
2.0pF	p83	p87																									
3.0pF	p83	p87																									
4.0pF 5.0pF	p84 p84	p87																									
6.0pF	p84	p87																									
7.0pF	p85	p88						1																			
8.0pF	p85	p88																									
9.0pF	p85	p89																									
10pF	p86	p89																						p91	p91		р9
11pF																											
12pF 13pF	p86	p89																						p91	p91		р9
15pF	p86	p89																						p91	p91		р9
16pF	, , ,																										
17pF																											
18pF	p86	p89																						p91	p91		p9
19pF																											
20pF																											
21pF 22pF	p86	p89																						p91	n9.1		pg
23pF	роо	P33																						POT	POT		- 12 -
24pF																											
27pF	p86	p89																						p91	p91		р9
30pF																											
33pF	p86	p89																						p91	p91		рS
36pF																											
39pF 43pF	p86	p89																						p91	p91		p9
47pF	p86	p89																						p91	p91		p9
51pF																											
56pF	p86	p89																						p91	p91		р9
62pF																											
68pF	p86	p89																						p91	p91		р9
75pF																									0.1		_
82pF 91pF	p86	p89																						p91	p91		р9
100pF	p86	p89							p90	p90														p91	p91	p91	р9
120pF	p86	p89							p90	p90														p91	p91	p91	р9
150pF	p86	p89							p90	p90														p91	p91	p91	p9
180pF	p86	p89						ļ	p90	p90														p91	p91	p91	р9
220pF	p86	p89							p90	p90														p91	p91	p91	р9
270pF	p86	p89							p90	p90														p91	p91	p91	р9
330pF	p86	p89							p90	p90														p91	p91	p91	рg
390pF 470pF	p86 p86	p89 p89							p90	p90														p91 p91	p91 p91	p91 p91	
560pF	p86	p89							p90	p90														p91	p91	p91	
680pF	p86	p89							p90	p90															p91	p91	
820pF	p86	p89							p90	p90															p91	p91	
910pF																											
1000pF	p86	p89	200	200	p90			1	p90	p90	200	200	i												p91	p91	
1200pF 1500pF	p86 p86	p89 p89	p90	p90 p90	p90				p90 p90	p90	p90 p91	p90 p90													p91 p91	p91 p91	
1800pF	p86	p89	p90	р90	p90				p90	p90	p91	p90													p91	р91 р91	
2200pF	p86	p89	p90	p90	p90				p90	p90	p91	p90													p91	p91	
2700pF	p86	p89	p90	p90	p90				p90	p90	p91	p90													p91		
3300pF	p86	p90	p90	p90	p90				p90	p90	p91	p90															
3900pF	p86	p90	p90	p90	p90						p91	p90															
4700pF	p86	p90	p90	p90	p90						p91	p90					m 0 =										
5600pF 6800pF	p86 p86	p90	p90	p90 p90	p90			:								p91	p91										
8200pF	p86	p90	p90	p90	p90											p91	p91										
10000pF	p86	p90	p90	p90	p90										p91	p91	p91										
12000pF						p90	p90	p90					p91	p91	p91	p91	p91										
15000pF						p90	p90	p90					p91	p91	p91	p91	p91										
18000pF						p90	p90	p90					p91	p91	p91												
22000pF						p90	p90	p90										p91	p91	p91							
27000pF																		p91	p91	p91							
33000pF 39000pF																											
47000pF																											
56000pF																					p91	p91	p91				
68000pF																											
82000pF																											
							1	1				:		1		1											
0.10µF 0.12µF					1	1	1	1				i				1				:							

p00 ← Part Nun		-		СК		-	Satir		רו	EIA	A: C0	G U	2.1														
L×W (mm)								2.0×	1.25												3	3.2×1.6	5				
T max. (mm)		1	L.O					1.3	35						45					0.95					1.		
Rated Voltage (Vdc)	200	CI	50 U2J		COG	СН	50 SL	U2J	UJ	SL	10 U2J	UJ	630	25		200 U2J	COG	00	COG	СН	50 SL	UJ	U2J	2000 U2J	10		630
Cap. / TC Code 0.10pF	U2J	SL	323	UJ	CUG	CIT	J.L	JZJ	33	J.L	323	- 55	COG	COG	J23	323	COG	CIT	COG	CIT	JL.	33	JZJ	UZJ	COG	JZJ	COG
0.20pF																											
0.50pF																											
1.0pF																											
2.0pF																											
3.0pF 4.0pF																											
5.0pF																											
6.0pF																											
7.0pF																											
8.0pF																											
9.0pF 10pF																								p93	p93	p93	p93
11pF																								рээ	рээ	рээ	рээ
12pF																								p93	p93	p93	p93
13pF																											
15pF																								p93	p93	p93	p93
16pF																											
17pF 18pF																								p93	p93	p93	p93
19pF																											
20pF																											
21pF																											
22pF																								p93	p93	p93	p93
23pF 24pF																											
27pF																								p93	p93	p93	p93
30pF																											
33pF																								p93	p93	p93	p93
36pF																								03	-02	-02	-02
39pF 43pF																								p93	p93	p93	p93
47pF																								p93	p93	p93	p93
51pF																											
56pF																								p93	p93	p93	p93
62pF																											
68pF 75pF																								p93	p93	p93	p93
82pF																									p93	p93	p93
91pF																											
100pF	p92																								p93	p93	p93
120pF	p92																								p93	p93	p93
150pF 180pF	p92 p92																								p93	p93 p93	p93
220pF	p92																								p93	p93	p93
270pF	p92																								p93	p93	p93
330pF	p92																								p93	p93	p93
390pF	p92																								p93		p93
470pF 560pF	p92 p92																								p93		p93
680pF	p92												p92	ĺ													рээ
820pF	p92												p92														
910pF																											
1000pF	p92												p92														202
1200pF 1500pF	p92 p92												p92														p93 p93
1800pF	p92																p92	p92									p93
2200pF	p92																p92	p92									
2700pF															p92	p92	p92	p92									
3300pF														p92	p92	p92	p92	p92									
3900pF 4700pF														p92 p92	p92 p92	p92	p92	p92									
5600pF															p92	p92	p92	p92									
6800pF																	p92	p92									
8200pF																	p92	p92									
10000pF																	p92	p92									
12000pF 15000pF																	p92	p92	p93 p93	p93							
18000pF					p92	p92											p92	p92	p93	p93							
22000pF					p92	p92											p92	p93	p93	p93							
27000pF																	p92	p93	p93	p93							
33000pF		p92	p92	p92													p92	p93	p93	p93							
39000pF							p92	p92	p92								p92	p93	p93	p93							
47000pF 56000pF							p92	p92	p92												p93	p93	p93				
68000pF										p92	p92	p92									-22		F 33				
82000pF										p92	p92	p92															
0.10µF										p92	p92	p92															
0.12µF		<u> </u>		<u> </u>	<u> </u>							1				<u> </u>				<u> </u>							

p00 ← Part Nur	nber L	ist	JIS:	СК	CJ	СН	S	L	רו	EIA	A: C0	G U:	21														
L×W (mm)														3.2×1.0													
T max. (mm) Rated Voltage (Vdc)	630	5.0	00	.0	50	200	10	000	63	30	50	00	21	50	200	10	20			50			10	00	1.8	30	500
Cap. / TC Code	U2J		U2J	COG		_	_	U2J	COG		_	U2J		U2J	_	COG		COG	СН	SL	U2J	UJ	COG		cog	_	U2J
0.10pF																											
0.20pF																											
0.50pF 1.0pF																											
2.0pF																											
3.0pF																											
4.0pF																											
5.0pF 6.0pF																											
7.0pF																											
8.0pF																											
9.0pF 10pF	p93	p94	p94																								
11pF	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																										
12pF	p93	p94	p94																								
13pF 15pF	p93	p94	p94																								
16pF	рээ	100	224																								
17pF																											
18pF	p93	p94	p94																								
19pF 20pF																											
21pF																											
22pF	p93	p94	p94																								
23pF 24pF																											
27pF	р93	p94	p94																								
30pF																											
33pF 36pF	p93	p94	p94																								
39pF	p93	p94	p94																								
43pF																											
47pF 51pF	p93	p94	p94																								
56pF	p93	p94	p94																								
62pF																											
68pF 75pF	p94	p94	p94																								
82pF	p94	p94	p94																								
91pF																											
100pF	p94	p94	p94																								
120pF 150pF	p94 p94	p94 p94	p94 p94																								
180pF	p94	p94	p94																								
220pF	p94	p94	p94																								
270pF 330pF	p94 p94	p94	p94 p94																								
390pF	p94		p94	p94				p94																			
470pF	p94	p94	p94	p94			-	p94																			
560pF 680pF	p94 p94	p94	p94 p94	p94 p94			p94 p94	p94 p94	p94		p95																
820pF	p94		p94						p94		p95												p95	p95			
910pF 1000pF	p94		p94	p94					p94		p95												-0-	p95			
1200pF	p94		p94	р94 р94					-p94		pas												p95	baa			
1500pF	p94		p94	p94																							
1800pF 2200pF	p94 p94		p94 p94	p94 p94					p94																		
2700pF	- р94		р94	p94 p94	p94	p94	i		p94 p94	p94		p95															
3300pF				p94	p94	p94				p95		p95													p95		
3900pF 4700pF				p94 p94	p94 p94	p94 p94																				p95 p95	p95 p95
5600pF				p94 p94	p94 p94	p94																				pos	-bas
6800pF				p94										p95	p95												
8200pF 10000pF													p95	p95	p95												
10000pF													p95	p95 p95	p95												
15000pF																											
18000pF																											
22000pF 27000pF																											
33000pF																											
39000pF																											
47000pF 56000pF																p95 p95	p95 p95	p95 p95	p95 p95								
68000pF																				p95	p95	p95					
82000pF																				p95	p95	p95					
0.10μF 0.12μF																				p95	p95	p95					
0.12µг		-				:						!								!							

	nber L		٠,٥.	СК		CH	SI		וו		A: C0	<u> </u>	2.1						-							45	Λ
L×W (mm)						×1.6											3	3.2×2.5		-				_		4.5× 2.0	4.
T max. (mm)		50	10	20		.8	2	_	1	<i>c</i>	2000	1.0 630	500	2000		630	500	1000		.5 500	250	1000	2. 630		250	1.0 3150	10
Rated Voltage (Vdc)		U2J	COG		COG		COG		COG		U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U:
Cap. / TC Code	COG	023	COG	СП	CUG	СП	COG	СП	CUG	СП	023	023	023	023	023	023	023	023	023	023	023	023	023	023	023	023	0.
0.10pF 0.20pF																											
0.20pr 0.50pF																											
1.0pF																											
2.0pF																											
3.0pF																											
4.0pF																											
5.0pF																											
6.0pF																											
7.0pF																											
8.0pF																											
9.0pF																											
10pF	i																									p95	
11pF																											
12pF																										p95	
13pF																											
15pF																										p95	
16pF																											
17pF																											
18pF																										p95	
19pF																											
20pF																											
21pF																											
22pF																										p95	
23pF																											
24pF																											
27pF																										p95	
30pF																											
33pF																										p96	
36pF																											
39pF																										p96	
43pF																											
47pF																										p96	4
51pF																											
56pF																										p96	
62pF																											
68pF																										p96	
75pF																											
82pF											p95															p96	-
91pF												i															
100pF											p95															p96	4
120pF											p95																
150pF											p95			05	i												
180pF 220pF														p95 p95													
270pF														рээ													
330pF																											
390pF																											
470pF																											
560pF																											
680pF																											
820pF																											
910pF																											
1000pF																											
1200pF												p95	p95		p95												
1500pF												p95	p95					p95									
1800pF												p95	p95									p95					
2200pF												p95	p95									p95					
2700pF																											р
3300pF																											p'
3900pF																											
4700pF																											
5600pF																p95	p95										
6800pF																			p95	p95							
8200pF																							p95	p95			
10000pF																							p95	p95			
12000pF																											
15000pF	p95	p95																									
18000pF		p95																									
22000pF		p95																									
27000pF																					p95						
33000pF																									p95		
39000pF																									p95		
47000pF																									p95		
56000pF																											
68000pF			p95	p95	p95	p95																					
82000pF			p95	p95	p95	p95																					
0.10µF			p95	p95	p95	p95																					
																											100

(→ GRM Seri ——						_	_		_			_
p00 ← Part Nur	nber L	ist	JIS:	СК	CJ	СН	SI	L	ען	EIA	COG	U2
L×W (mm)			4.5×3.2	2				5.7	×5.0			
T max. (mm)	1	.5		2.0			1.5			2.0		
Rated Voltage (Vdc)	630	500	1000	630	500	1000	630	500	1000	630	500	
Cap. / TC Code	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	U2J	
0.10pF												
0.20pF												
0.50pF												
1.0pF												
2.0pF												
3.0pF												
4.0pF												
5.0pF												
6.0pF												
7.0pF												
8.0pF												
9.0pF												
10pF												
11pF												
12pF												
13pF												
15pF												
16pF												
17pF												
18pF												
	1											
19pF												
20pF												
21pF												
22pF												
23pF												
24pF												
27pF												
30pF												
33pF												
36pF												
39pF												
43pF												
47pF												
51pF												
56pF												
62pF												
68pF												
75pF												
82pF												
91pF												
100pF												
120pF												
150pF												
180pF												
220pF												
270pF												
330pF												
390pF												
470pF												
560pF												
680pF	1											
820pF												
910pF												
1000pF	-											
1200pF												
1500pF												
1800pF												
2200pF												
2700pF												
3300pF												
3900pF			p96									
4700pF												
5600pF						p96						
6800pF	1					p96						
8200pF									p96			
10000pF									p96			
12000pF	p96	p96	i									
	P36	P36	!	n96	n96							
15000pF				p96	p96							
18000pF				p96	p96							
22000pF				p96	p96							
27000pF							p96	p96				
33000pF										p96	p96	
39000pF										p96	p96	
47000pF										p96	p96	
56000pF												
68000pF												
82000pF												
0.10µF	1											
0.12µF												
pi	1											

GRM Series High Dielectric Constant Type

p00 ← Part Nur	nber L	ist	JIS:	R	В		EIA:	X7R	X75	X7	7T X		X6S	X6T	X51	R									
L×W (mm)			(0.4×0.2	2									(0.6×0.	3							1	.0×0.	5
T max. (mm)				0.22											0.33									0.22	
Rated Voltage (Vdc)	16	1	LO	6.3		4	2.5	5	0	35		25			16		1	0		6.3		4	10	6.	.3
Cap. / TC Code	X7R	X7R	X5R, B	X5R, B	Х6Т	X5R	Х6Т	X7R	X5R, B	X5R	X7R, R	X6S	X5R, B	X7Δ, R	X6S	X5R, B	Χ7Δ, R	X5R, B	X7R, R	X6S	X5R, B	X6S	X5R, B	X6S	X5R, B
100pF	p97	p97	p97 p97					p98	p98		p98														
150pF	p97	р97	p97 p97					p98	p98		p98														
220pF	p97	p97	p97 p97					p98	p98		p98														
330pF	p97	p97	p97 p97					p98	p98		p98														
470pF	p97	p97	p97 p97					p98	p98 <mark>p98</mark>		p98														
680pF		р97	p97 p97					p98	p98		p98														
820pF		p97																							
1000pF	p97	p97	p97 p97		1			p98	p98		p98 <mark>p98</mark>		p98												
1500pF				p97p97				p98	p98		p98 <mark>p98</mark>		p98												
2200pF				p97p97							p98		p98	p98 <mark>p98</mark>		p99									
3300pF				p97p97							p98		p98	p98 <mark>p98</mark>		p99									
4700pF				p97p97							p98		p98	p98				p99p99			p99				
6800pF				p97 p97							p98		p98	p98				p99 <mark>p99</mark>			p99				
10000pF			p97 p97	p97 p97							p98		p98 <mark>p98</mark>	p98		_	p99 <mark>p99</mark>		p99 <mark>p99</mark>						
15000pF				p97		p97										p98 p99		p99p99		p99	p99				
22000pF				p97		p97										p98 p99		p99p99		p99	p99				
33000pF				p97		p98										p98 p99	4	p99p99		p99	p99				
47000pF				p97		p98										p99 p99	1	p99p99		p99					
68000pF				p97		p98										p99 p99		p99p99		p99					
0.10μF				p97	p97	p98	p98			p98		p98	p98	p98	p98	p99 p99	p99	p99 <mark>p99</mark>		p99			p99 p100	p100	p100 p100
0.15µF																									
0.22µF																		p99		p99	p99	p99	p100 p100	p100	p100 p100
0.33µF																									
0.47µF																									p100 p100
0.68µF																									
1.0µF																									p100
2.2µF																									
4.7µF																									
10µF																									
22µF																									
47μF																									
100µF																									
150µF																									
220µF			1																						

(→ GRM Series High Dielectric Constant Type)

p00 ← Part Nur	mber L	ist	JIS:	R	В		EIA:	X7R	X7S	X7	/T >	(7U	X6S	X6T	X5F	₹									
L×W (mm)													1.0×0.	5											
T max. (mm)		0.	22					0.3					0.	33						0.	55				
Rated Voltage (Vdc)		4		2.5	5	0	2	5	1	6	10	10	6	.3	4	100		50		3	15		25		16
Cap. / TC Code	X7T	Х6Д	X5R	X7T	X7R, R	В	X7R	В	X7R	В	X5R	X5R, B	Х6Т	X5R, B	X6T	X7R	X7R, R	X6S	X5R, B	X6S	X5R	X7R, R	X6S	X5R, B	X7R, R
100pF																									
150pF																									
220pF					p100 <mark>p100</mark>	p100										p100	p101 <mark>p100</mark>		p101						
330pF					p100 <mark>p100</mark>	p100										p100	p101 <mark>p100</mark>		p101						
470pF					p100 <mark>p100</mark>	p100										p100	p101 <mark>p100</mark>		p101						
680pF					p100 <mark>p100</mark>	p100										p100	p101 <mark>p100</mark>		p101						
820pF																									
1000pF					p100 <mark>p100</mark>	p100										p100	p101 <mark>p100</mark>		p101						
1500pF					p100 <mark>p100</mark>	p100										p100	p101 <mark>p100</mark>		p101						
2200pF							p100	p100								p100	p101 <mark>p100</mark>		p101			p101		p101	
3300pF									p100	p100						p100	p101 <mark>p101</mark>		p101						
4700pF									p100	p100						p100	p101 <mark>p101</mark>		p101						p102
6800pF									p100	p100			-				p101 <mark>p101</mark>		p101			p101			
10000pF									p100	p100							p101 <mark>p101</mark>		p101			p101 <mark>p101</mark>		p101	p102
15000pF											p100						p101		p101			p101 <mark>p101</mark>		p101	
22000pF											p100						p101		p101			p101 <mark>p101</mark>		p101	
33000pF											p100						p101	p101	p101			p101 <mark>p101</mark>		p101	
47000pF																	p101	p101	p101			p101 <mark>p101</mark>		p102	
68000pF																	p101	p101	p101			p101		p101 p102	p102 <mark>p102</mark>
0.10µF	p100	p100		p100													p101		p101			p101		p101 p102	
0.15µF																l									p102
0.22µF	p100	p100		p100																p101	p101		p101	p101	p102
0.33µF																									
0.47µF		p100																			p101			p101	
0.68µF																									
1.0µF		p100	p100									p100 p100	p100	p100 p100	p100				p101					p101 p102	
2.2µF																									
4.7µF																									
10µF																									
22µF																									
47µF																									
100µF																									
150µF																									
220µF																									

(→ GRM Series High Dielectric Constant Type)

p00 ← Part Nur	nber L	ist	JIS:	R	В		EIA:	X7R	X7S	X7	/T >	K7U	X6S	X6T	X51	R									
L×W (mm)													1.0×0.	5											
T max. (mm)						0.55									0.6						0.	65			0.7
Rated Voltage (Vdc)	16			10			6.3			4		50	35	25	16	6.3	4	2.5	25	1	.6	1	.0	6.3	25
Cap. / TC Code	X6S	X5R, B	X7R	X6S	X5R, B	X7R	X6S	X5R, B	X7R	X6S	X5R	X5R	X5R	X6S	X6S	X5R, B	X5R, B	хөт	хөт	X7T	х6Т	X7T	X5R	X6S	X5R
100pF																									
150pF																									
220pF																									
330pF																									
470pF																									
680pF																									
820pF																									
1000pF																									
1500pF																									
2200pF																									
3300pF																									
4700pF																									
6800pF																									
10000pF		p102																							
15000pF																									
22000pF																					!				
33000pF					p102																				
47000pF																									
68000pF																									
0.10µF					p102			p102																	
0.15µF					p102 p102			p102 p102																	
0.22µF		p102	p102		p102 p102		p102	p102 p102		p102															
0.33µF					p102 p102			p102 p102																	
	p102		p102		p102 p102			p102 p102				p102											(i		
0.68µF				-	p102 p102			p102 p102																	
1.0µF		p102 p102		p102				p102 p102	p102		p102		p102	p102	p102										
2.2µF					p102		p102	p102											p102	p103	p103				p103
4.7µF																p102 p102	p102 p102	p102					p103	p103	
10μF																									
22µF																									
47µF																									
100µF													-												
150µF																									
220µF																									

(→ GRM Series High Dielectric Constant Type)

p00 ← Part Nur	mber L	ist	JIS:	R	В		EIA:	X7R	X7S	X	7T :	X7U	X6S	X6T	X51	٦									
L×W (mm)			:	1.0×0.5	5											1.6	×0.8								
T max. (mm)	0.7								0.	5				0.55							0.9				
Rated Voltage (Vdc)	1	.6	1	0	6.3	4	2.5	25	16	6.3	4	16	1	LO	6	.3	250	200	2	25	1	L6	1	0	6.3
Cap. / TC Code	X6S	X5R	X7S	X6S	X7S	X5R	X5R	X5R, B	X5R, B	X5R	X5R	X5R	X6S	X5R	X7T	X6S	X7R	X7R	X7R	X5R, B	X6S	X5R, B	X7R	X5R	X6S
100pF																									
150pF																									
220pF																	p103	p103							
330pF																	p103	p103							
470pF																	p103	p103							
680pF																	p103	p103							
820pF																									
1000pF																	p103	p103							
1500pF														1			p103	p103							
2200pF														-			p103	p103							
3300pF																									
4700pF																									
6800pF		!												1			1					1			
10000pF																									
15000pF																									
22000pF														1											
33000pF																									
47000pF																									
68000pF																									
0.10µF														-											
0.15µF																									
0.22µF																									
0.33µF																									
0.47µF																									
0.68µF		1												1			1				1	1			
1.0µF								p103 p103	p103 p103										p103						
2.2µF	p103	p103	p103	p103	p103															p103 p103	p103	p103 p103			
4.7µF													p103	p103	p103	p103						1		p103	p103
10μF						p103	p103			p103	p103	В													
22µF																									
47μF																									
100μF														1											
150µF																									
220µF																									

$(\rightarrow$ GRM Series High Dielectric Constant Type)

p00 ← Part Nur	mber L	ist	JIS:	R	В		EIA:	X7R	X75	X7	7T >	(7U	X6S	Х6Т	X5F	٦									
L×W (mm)										1.6	×0.8											2	.0×1.2	5	
T max. (mm)	0	.9			0.95									1.0							0.7		0.9	95	
Rated Voltage (Vdc)	6.3	4	25	1	.6	1	.0	50	3	5		25		1	6	10	6	.3		4	16	50	3	5	25
Cap. / TC Code	X5R, B	X5R	X5R	X6S	X5R, B	X7S	X5R, B	X5R	X6S	X5R	X7S	X6S	X5R	X7S	X6S	X7T	X7T	X5R, B	X6S	X5R, B	X6S	X5R, B	X6S	X5R	X7R
100pF																									
150pF														!											
220pF																									
330pF																									
470pF																									
680pF																									
820pF																									
1000pF																									
1500pF																									
2200pF																									
3300pF																									
4700pF																									
6800pF																İ									
10000pF																									
15000pF																									
22000pF																									
33000pF														!											
47000pF																									
68000pF																									
0.10µF																									
0.15µF																									
0.22µF																									
0.33µF																									
0.47µF																									
0.68µF																									
1.0µF																						p104 p104			p104
2.2µF								p103			p103			p103								p104 p104			
4.7µF			p103	p103	p103 p103					p103		p103		p103										p104	
10µF	p103 p103	p103			p103		p103 p103						p103		p103	p103									
22µF																		p104 p104	p104	p104 p104					
47µF																									
100µF																									
150µF																									
220µF																									

$(\rightarrow$ GRM Series High Dielectric Constant Type)

p00 +	← Part Nun	nber L	ist	JIS:	R	В		EIA:	X7R	X75	X7	'T X	(7U	X6S	X6T	X51	R									
	L×W (mm)												2	.0×1.2	:5											
Т	Γ max. (mm)						0.95									1	.0					1.	35		1	.4
Rated Vo	oltage (Vdc)	25 16 10							.3	4	4	2.5	500	250	200	35	2	!5	1	.6	2	:5	1	6	50	25
Cap	p. / TC Code	X6S	X5R, B	X7R	X5R, B	Χ7Δ	X5R, B	X6S	X5R, B	X6S	X5R	х6Т	X7R	X7R	X7R	X6S	X7S	X6S	X7S	X5R	X6S	X5R, B	X7R	X5R, B	X5R, B	X7R
	100pF																									
	150pF																									
	220pF																									
	330pF																									
	470pF																									
	680pF																									
	820pF																									
	1000pF												p104	p104	p104											
	1500pF												p104	p104	p104											
	2200pF												p104	p104	p104											
	3300pF												p104	p104	p104											
	4700pF												p104	p104	p104											
	6800pF												p104	p104	p104											
	10000pF																									
	15000pF																									
	22000pF																									
	33000pF																									
	47000pF																									
	68000pF																									
	0.10µF																									
	0.15µF																									
	0.22µF																									
	0.33µF																									
	0.47µF																									
	0.68µF														:							1				
	1.0µF																									
	2.2µF	p104	p104 p104	p104		p104																p104	p104		p104 p104	p104
	4.7µF		p104		p104 p104	p104										p104	p104	p104	p104		p104	p104 p104			p104 p104	
	10µF		p104 p104		p104 p104			p104		p104														p104 p104		
	22µF						p104 p104		p104 p104											p104						
	47µF										p104	p104														
	100µF																									
	150µF																									
	220µF																									

$(\rightarrow$ GRM Series High Dielectric Constant Type)

p00 ← Part Nur	mber L	ist	JIS:	R	В		EIA:	X7R	X75	X7	7T)	X7U	X6S	X6T	X5F	₹									
L×W (mm)												2	.0×1.2	25											
T max. (mm)				1.4												1.	45								
Rated Voltage (Vdc)	25	16	10	6.	3	4	1	500	250	200	į	50		35			25			16			10		6.3
Cap. / TC Code	X5R, B	X6S	В	X7R	X6S	X7U	X6S	X7R	X7R	X7R	X7S	X6S	X7S	X6S	X5R	X7S	X6S	X5R	X7S	X6S	X5R	X7T	X6S	X5R	X7T
100pF																									
150pF																									
220pF																									
330pF																									
470pF																									
680pF																									
820pF																									
1000pF																									
1500pF																									
2200pF																									
3300pF																									
4700pF																									
6800pF																									
10000pF								p105	p105	p105															
15000pF									p105	p105															
22000pF									p105	p105															
33000pF																									
47000pF																									
68000pF																									
0.10µF																									
0.15µF																									
0.22µF																									
0.33µF																									
0.47µF																									
0.68µF																									
1.0µF																									
2.2µF																									
4.7µF											p105	p105	p105			p105									
	p105 p105	p105		p105										p105	p105	p105	p105		p105						
22µF			p105		p105	p105	p105											p105		p105	p105	p105	p105	p105	p105
47μF																								p105	
100µF																									
150µF																									
220µF																									

(→ GRM Series High Dielectric Constant Type)

p00 ← Part Nur	mber L	ist	JIS:	R	В		EIA:	X7R	X7S	X7	7T)	(7U	X6S	х6Т	X5F	٦									
L×W (mm)		2.0×	1.25											3	3.2×1.6	6									
T max. (mm)		1.	45				0.95			1.0				1.25							1	.8			
Rated Voltage (Vdc)	6.3	4	4	2.5	35	16	10	6.	3	630	1000	630	500	250	200	50	25	1000	630	500	250	200	100	5	0
Cap. / TC Code	X5R, B	X6S	X5R, B	X6S	X5R	X5R, B	X5R, B	X6S	X5R, B	X7R	X7R	X7R	X7R	X7R	X7R	В	X5R	X7R	X5R, B						
100pF																									
150pF																									
220pF																									
330pF																									
470pF											p105														
680pF											p105										!				
820pF																									
1000pF										p105	p105														
1500pF										p105	p105														
2200pF										p105	p105														
3300pF										p105	p105														
4700pF										p105	p105														
6800pF										p105		p105						p105							
10000pF										p105								p105							
15000pF													p105	p105	p105				p105						
22000pF													p105	p105	p105				p105						
33000pF																				p105	p105	p105			
47000pF																				p105	p105	p105			
68000pF														p105	p105										
0.10µF																					p105	p105			
0.15µF																									
0.22µF																									
0.33µF																									
0.47µF																									
0.68µF																									
1.0µF																p105							p105		
2.2µF																									
4.7µF																								p105	p106
10µF					p105	p105 p105											p105								p106 p106
22µF						p105 p105	p105 p105	p105	p105 p105																
47µF	p105 p105	p105	p105 p105																						
		p105		p105																					
150µF																									
220µF																									

Continued on the following page. \nearrow

(→ GRM Series High Dielectric Constant Type)

p00 ← Part Nur	mber L	ist	JIS:	R	В		EIA:	X7R	X7S	X7	/T >	(7U	X6S	X6T	X5F	₹									
L×W (mm)											;	3.2×1.	6											3.2	×2.5
T max. (mm)						1.8											1.	.9						1	.5
Rated Voltage (Vdc)	2	5	1	.6	10	0		6.3		4	4	25	1	.6	1	.0	6.	.3		4		2	.5	1000	630
Cap. / TC Code	X7R	X5R, B	X6S	X5R, B	X7R	X5R, B	Х7Δ	X6S	X5R, B	X7U	X6S	X6S	X7S	X5R	X6S	X5R	х6Т	X5R	X7U	Х6Д	X5R	X6S	X5R	X7R	X7R
100pF																									
150pF																									
220pF																									
330pF																									
470pF																									
680pF																									
820pF																									
1000pF																									
1500pF											! !														
2200pF																									
3300pF																									
4700pF																									
6800pF																								p106	
10000pF																								p106	
15000pF																									
22000pF																									p106
33000pF																									
47000pF																									
68000pF																									
0.10μF																									
0.15µF																									
0.22µF																									
0.33µF																									
0.47µF																					į				
0.68µF																1									
1.0µF																									
2.2µF																									
4.7μF											! ! !														
10μF		p106																							
22µF		p106 p106	p106	p106 p106			p106						p106												
47μF						p106 p106	p106	p106	p106 p106	p106	p106			p106											
100µF																p106	p106	p106	p106	p106	p106				
150µF																		p106		p106	p106	p106			
220µF																					p106		p106		

(→ GRM Series High Dielectric Constant Type)

p00 ← Part Nur	mber L	ist	JIS:	R	В		EIA:	X7R	X7S	X7	7T >	(7U	X6S	X6T	X5F	٦									
L×W (mm)													3.2×2.	5											
T max. (mm)		1.5		1.8			2.0			2	.2							2	.7						
Rated Voltage (Vdc)	500	250	200	100	1000	630	500	250	200	100	25	100	80	63	5	0	3	5	2	25		16		1	0
Cap. / TC Code	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X5R, B	X7R	X5R, B	X7R	X5R, B	X7R	X6S	X5R, B	X7R	X5R, B
100pF																									
150pF																									
220pF																									
330pF																									
470pF																									
680pF																									
820pF																									
1000pF																									
1500pF																									
2200pF																									
3300pF																									
4700pF																									
6800pF																									
10000pF																									
15000pF					p106																				
22000pF					p106																				
33000pF						p106																			
47000pF						p106																			
68000pF	p106	p106	p106																						
0.10µF							p106	p106	p106																
0.15µF		p106	p106																						
0.22µF								p106	p106																
0.33µF																									
0.47µF																									
0.68µF																					:				
1.0µF				p106																					
2.2µF												p106													
4.7µF										р106			p106		p106										
10µF											p106			p106	p106	p106 p106	p106	p106 p106							
22µF																			p106	p106 p106	p106				
47µF																						p106	p106 p106	p106	p106 p10 6
100µF		! ! !									! ! ! !					! ! ! !			! !		! ! !				p106
150µF																									
220µF																									

$(\rightarrow$ GRM Series High Dielectric Constant Type)

L-W (mm) 3.2 × 2.5 3.2 ×	p00 ← Part Nur	mber Lis	st	JIS:	R	В		EIA:	X7R	X79	X7	T X	.7U	X6S	Х6Т	X5F	2	
T max. (mm)																		
Rated Voltage (Vdc) 6.3		3							4.5×3.2)	
Cap./Te Code																		
100pF 150pF 220pF 330pF 330pF 470pF 680pF 1500pF 1200pF 1500pF 1200pF 15000pF 15000pF 10000pF 15000pF 10000pF																		
150pF 220pF 330pF 470pF 680pF 820pF 1000pF 1500pF 2200pF 3300pF 4700pF 6800pF 10000pF		X7Δ	X5R, B	X7U	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R
220pF 330pF 470pF 680pF 1000pF 1500pF 2200pF 3300pF 4700pF 6800pF 10000pF 15000pF 22000pF 33000pF 2000pF 010pF 010																		
330pF 470pF 680pF 820pF 1000pF 1500pF 2200pF 3300pF 4700pF 6800pF 10000pF 15000pF 10000pF 1000																		
470pF 680pF 820pF 1000pF 1500pF 2200pF 3300pF 4700pF 6800pF 15000pF 22000pF 15000pF 15000pF 10000pF 10																		
820pF 1000pF 1500pF 2200pF 3300pF 4700pF 6800pF 15000pF 12000pF 15000pF 10000pF 10000p																		
820pF 1000pF 1500pF 2200pF 3300pF 4700pF 6800pF 10000pF 15000pF 22000pF 33000pF 47000pF 01000pF 01000p																		
1000pF																		
1500pF 2200pF 3300pF 4700pF 6800pF 10000pF 15000pF 22000pF 33000pF 47000pF 68000pF 0.10µF 0.15µF 0.22µF 0.33µF 1.0µF 1.0	820pF																	
2200pF 3300pF 4700pF 6800pF 115000pF 15000pF 22000pF 33000pF 47000pF 68000pF 0.10µF 0.15µF 0.22µF 0.33µF 1.0µF 1.0	-																	
3300pF	1500pF																	
4700pF 6800pF 10000pF 15000pF 22000pF 33000pF 47000pF 68000pF 0.10µF 0.15µF 0.22µF 0.33µF 0.47µF 1.0µF	2200pF																	
6800pF	3300pF																	
10000pF 15000pF 22000pF 22000pF 33000pF 47000pF 68000pF 0.10µF 0.15µF 0.22µF 0.33µF 10.47µF 10	4700pF																	
15000pF 22000pF 33000pF 47000pF 68000pF 0.10pF 0.15pF 0.22pF 0.33yF 0.47pF 1.0pF 1.0	6800pF																	
22000pF 33000pF 47000pF 68000pF 0.10µF 0.15µF 0.22µF 0.33µF 0.47µF 0.47µF 0.47µF 0.68µF 10µF 0.10µF 0.10µF 0.10µF 0.10µF 0.22µF 0.22µF 0.22µF 0.33µF	10000pF																	
33000pF	15000pF																	
47000pF	22000pF																	
Page	33000pF								p107									
0.10µF	47000pF								p107									
0.15µF	68000pF				p107									p107				
0.22µF	0.10µF									p107				p107				
0.33µF	0.15µF					p107	p107	p107							p107			
0.33µF	0.22µF										p107	p107	p107		p107			
0.47µF	0.33µF											p107	p107			p107	p107	p107
0.68µF p107 p107 p107 p107 p107 p107 p107 p107	0.47µF												_				=	
2.2µF 4.7µF 10µF 22µF	0.68µF																p107	p107
2.2µF 4.7µF 10µF 22µF																	_	
4.7µF 10µF 22µF																		
10µF 22µF																		
22µF																		
47µF p106	47µF	p106																
100µF p106 p106 p106 p106 p106 p106 p106 p106			o106 p106	p106														
150µF																		
220µF																		

GR3 Series High Dielectric Constant Type

p00 ← Part Nui	mber l	ist	EIA:	X7T	-																			
L×W (mm)	2.0×	1.25				3.2	×1.6					3	3.2×2.	5			4.5	·3.2			Ĺ	5.7×5.0)	
T max. (mm)	1.0	1.45	1	.0		1.25			1.8		1	.5		2.0		1.5		2.0			2.0		2.	.7
Rated Voltage (Vdc)	250	250	450	250	630	450	250	630	450	250	630	250	630	450	250	250	630	450	250	630	450	250	630	250
Cap. / TC Code	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T
10000pF	p110		p110		p110																			
15000pF	p110		p110					p110																
22000pF		p110				p110					p110													
33000pF				p110		p110							p110											
47000pF							p110		p110				p110											
68000pF										p110				p110			p110							
0.10μF												p110		p110						p110				
0.15µF															p110			p110		p110				
0.22µF				l												p110					p110		p110	
0.33µF																			p110		p110			
0.47µF																					p110	p110		
0.68µF																						p110		
1.0µF																								p110

GRJ Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	it E	EIA: X	K7R	X7S	X5R																	
L×W (mm)			:	1.6×0.8	3							2	.0×1.2	:5						3.2	×1.6		
T max. (mm)			0	.9			1.0	0	.7	0.95	1.0			1.	45			1.5	0.	95	1	25	
Rated Voltage (Vdc)	100	50	35	25	16	6.3	6.3	100	50	100	250	250	100	50	25	16	10	100	100	50	1000	630	
Cap. / TC Code	X7R	X7R	X5R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	
220pF										p121													
470pF						!			p121	p121							:				p122		
680pF																					p122		
1000pF	p121	p121						p121	p121		p121										p122	p122	
1500pF											p121										p122	p122	
2200pF	p121	p121						p121	p121		p121										p122	p122	
3300pF											p121										p122	p122	
4700pF	p121	p121				-		p121	p121		p121										p122	p122	
6800pF											p121											p122	
10000pF	p121	p121						p121	p121			p121										p122	
15000pF												p121											1
22000pF	p121	p121						p121	p121			p121											
33000pF																							
47000pF		p121		p121									p121	p121									
68000pF																							
0.10µF	p121	p121											p121	p121					p122	p122			
0.15µF																							i i i
0.22µF		p121		p121										p121									
0.33µF																							
0.47μF					p121									p121									
0.68µF																							
1.0µF			p121	p121										p121	p121			p121					
2.2µF						p121									p121								
4.7μF							p121									p121							
10µF																	p121						
22µF						1									1		1						
47μF															1								1

L×W (mm)			3	3.2×2.5	5				4	4.5×3.2)		į	5.7×5.0)
T max. (mm)			2.	.8			2.85	1	.5		2.0			2.0	
Rated Voltage (Vdc)	5	0	25	16	10	6.3	25	630	250	1000	630	250	1000	630	250
Cap. / TC Code	X7R	X7S	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R
33000pF										p123					
47000pF										p123					
68000pF								p123					p123		
0.10µF											p123		p123		
0.15µF									p123					p123	
0.22µF												p123		p123	
0.33µF												p123			p123
0.47µF												p123			p123
0.68µF						 									p123
1.0µF															p123
2.2µF															
4.7µF	p122														
10µF	p122	p122	p122												
22µF				p122	p122		p122								
47µF					p122	p122									

						3.2	×1.6										3.2	<2.5				L×W (mm)
1.25		1.	35			1.8				1	.9				1.5			2.0		2	.3	T max. (mm)
250	100	50	25	16	1000	630	250	100	50	25	16	10	6.3	1000	630	250	1000	630	250	10	00	Rated Voltage (Vdc
X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S	Cap. / TC Code
																						220pF
																						470pF
																						680pF
			!																			1000pF
																						1500pF
																						2200pF
																						3300pF
															į							4700pF
					p122									p122								6800pF
					p122									p122								10000pF
p122						p122											p122					15000pF
p122						p122									p122		p122					22000pF
							p122											p122				33000pF
							p122								-			p122				47000pF
p122																p122						68000pF
		p122					p122												p122			0.10µF
																p122						0.15µF
	p122	p122																	p122			0.22µF
																						0.33µF
		p122																				0.47µF
																						0.68µF
		p122						p122	p122													1.0µF
			p122	p122					p122											p122		2.2µF
									p122		p122										p122	4.7µF
										p122	p122	p122										10µF
												p122	p122									22µF
																						47µF

GR4 Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	t E	EIA: X	(7R
L×W (mm)	0.4× 0.2	4.5	×3.2	5.7× 5.0
T max. (mm)	1.5	1.5	2.0	2.0
Rated Voltage (Vdc)	2000	2000	2000	2000
Cap. / TC Code	X7R	X7R	X7R	X7R
100pF	p126			
120pF	p126			
150pF	p126			
180pF	p126			
220pF	p126			
270pF	p126			
330pF	p126			
390pF	p126			
470pF	p126			
560pF	p126			
680pF	p126			
820pF	p126			
1000pF	p126			
1200pF	p126			
1500pF	p126			
1800pF		p126		
2200pF		p126		
2700pF		p126		
3300pF		p126		
3900pF		p126		
4700pF			p126	
10000pF				p126

GR7 Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	t E	EIA: X	(7T	
L×W (mm)	2.0×	1.25		3.2×1.6	5
T max. (mm)	1.0	1.45	1.0	1.25	1.8
Rated Voltage (Vdc)	350	350	350	350	350
Cap. / TC Code	X7T	X7T	X7T	X7T	X7T
10000pF	p131		p131		
15000pF	p131		p131		
22000pF		p131	p131	p131	
27000pF		p131	p131		
33000pF			p131	p131	
47000pF		! !			p131

GJM Series Temperature Compensating Type

p00 ← Part Num	ber Lis	t .	JIS:	CK	CJ	СН	Е	IA: C	0G	
L×W (mm)	0.4	٥.2			0.6	×0.3			1.0	×0.5
T max. (mm)	0.2	22			0.:	33			0.	55
Rated Voltage (Vdc)	2	5		5	0		2	5	5	0
Cap. / TC Code	COG	СΔ	COG	CK	CJ	СН	COG	СΔ	COG	СД
0.10pF									p149	p153
0.20pF	p136	p139	p142	p142		p142			p149	p153
1.0pF	p136	p139		p142			p143	p146	p149	p153
2.0pF	p136	p139		p142			p143	p146	p149	p153
3.0pF	p136	p139			p142		p143	p146	p150	p153
4.0pF	p137	p140					p143	p147	p150	p154
5.0pF	p137	p140					p144	p147	p150	p154
6.0pF	p137	p140					p144	p147	p151	p154
7.0pF	p138	p141					p144	p148	p151	p155
8.0pF	p138	p141					p145	p148	p151	p155
9.0pF	p138	p142					p145	p148	p152	p155
10pF	p139	p142					p146	p149	p152	p156
11pF	p139	p142					p146	p149	p152	p156
12pF	p139	p142					p146	p149	p152	p156
13pF	p139	p142					p146	p149	p152	p156
15pF	p139	p142					p146	p149	p152	p156
16pF	p139	p142					p146	p149	p152	p156
18pF	p139	p142					p146	p149	p152	p156
20pF	p139	p142					p146	p149	p152	p156
22pF	p139	p142					p146	p149	p152	p156
24pF							p146	p149	p152	p156
27pF							p146	p149	p152	p156
30pF							p146	p149	p152	p156
33pF							p146	p149	p152	p156
36pF									p152	p156
39pF									p152	p156
43pF									p152	p156
47pF									p153	p156

The indication for every 0.1 pF has been omitted for less than 10 pF.
Refer to the Part Number List for details.

GQM Series Temperature Compensating Type

aqı i series i										
p00 ← Part Num	ber Lis	t	EIA:	COG	M	urata T	emper		haract	eristic: X8G
L×W (mm)	1.0	×0.5	1.6	×0.8	2	.0×1.2	5	2.8× 2.8		
T max. (mm)	0.	55	0	.8		1.0		1.35		
Rated Voltage (Vdc)	200	100	25	50	500	2!	50	500		
Cap. / TC Code	COG	COG	COG	X8G	X8G	COG	X8G	COG		
0.10pF	p165									The indicati
1.0pF	p165		p166	p166	p167	p168	p169	p170		The indication has been or
1.1pF	p165		p166	p166	p167	p168	p169	p170		10 pF.
1.2pF	p165		p166	p167	p167	p168	p169	p170		Refer to the
1.3pF	p165		p166	p167	p167	p168	p169	p170		for details.
1.5pF	p165		p166	p167	p167	p168	p169	p170	_	
1.6pF	p165		p166	p167	p167	p168	p169	p170		
1.8pF	p165		p166	p167	p167	p168	p169	p170		
2.0pF	p165		p166	p167	p167	p168	p169	p170		
2.2pF	p165		p166	p167	p167	p168	p169	p170		
2.4pF	p165		p166	p167	p167	p168	p169	p170		
2.7pF	p165		p166	p167	p167	p168	p169	p170		
3.0pF	p165		p166	p167	p168	p168	p169	p170		
3.3pF	p165		p166	p167	p168	p168	p169	p170		
3.6pF	p165		p166	p167	p168	p168	p169	p170		
3.9pF	p165		p166	p167	p168	p168	p169	p170		
4.0pF	p165		p166	p167	p168	p168	p169	p170		
4.3pF	p165		p166	p167	p168	p168	p169	p170		
4.7pF	p165		p166	p167	p168	p168	p169	p170		
5.0pF	p165		p166	p167	p168	p168	p169	p170		
5.1pF	p165		p166	p167	p168	p168	p169	p170		
5.6pF	p165		p166	p167	p168	p168	p169	p170		
6.0pF	p165		p166	p167	p168	p168	p169	p170		
6.2pF	p165		p166	p167	p168	p168	p169	p170		
6.8pF	p165		p166	p167	p168	p168	p169	p170		
7.0pF	p165		p166	p167	p168	p168	p169	p171		
7.5pF	p165		p166	p167	p168	p168	p170	p171		
8.0pF	p165		p166	p167	p168	p169	p170	p171		
8.2pF	p165		p166	p167	p168	p169	p170	p171		
9.0pF	p165		p166	p167	p168	p169	p170	p171		
9.1pF	p165		p166	p167	p168	p169	p170	p171		
10pF	p165		p166	p167	p168	p169	p170	p171		
11pF	p165		p166	p167	p168	p169	p170	p171		
12pF	p165		p166	p167	p168	p169	p170	p171		
13pF	p165		p166	p167	p168	p169	p170	p171		
15pF	p165		p166	p167	p168	p169	p170	p171		
16pF	p165		p166	p167	p168	p169	p170	p171		
18pF	p165		p166	p167	p168	p169	p170	p171		
20pF	p165		p166	p167	p168	p169	p170	p171		
22pF	p165		p166	p167	p168	p169	p170	p171		
24pF	p165		p166	p167		p169	p170	p171		
27pF	p165		p166	p167		p169	p170	p171		
30pF	p165		p166	p167		p169	p170	p171		
33pF	p165		p166			p169	p170	p171		
36pF		p165	p166			p169	p170	p171		
39pF		p166	p166			p169	p170	p171		
43pF		p166	p166			p169	p170	p171		
47pF		p166	p166			p169	p170	p171		
51pF						p169	p170	p171		
56pF						p169	p170	p171		
62pF						p169	p170	p171		
68pF						p169	p170	p171		
75pF						p169	p170	p171		
82pF						p169	p170	p171		
91pF						p169		p171		
100pF						p169		p171		
									1	

The indication for every 0.1 pF has been omitted for less than 10 pF.
Refer to the Part Number List for details.

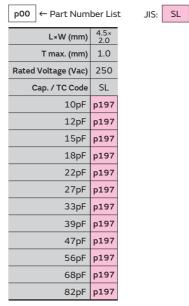
GR2 Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	t E	EIA: X	(7R
L×W (mm)	4.5× 2.0	4.5	×3.2	5.7× 5.0
T max. (mm)	1.5	1.5	2.0	2.0
Rated Voltage (Vac)	250	250	250	250
Cap. / TC Code	X7R	X7R	X7R	X7R
470pF	p185			
1000pF	p185			
2200pF		p185		
3300pF		p185		
4700pF			p185	
10000pF		p185		
22000pF		p185		
47000pF			p185	
0.10μF				p185

GA3 Series Type GB High Dielectric Constant Type

p00 ← Part Num	ber Lis	t E	EIA: X	7R
L×W (mm)		5.7	×5.0	
T max. (mm)	1.5	2.0	2.5	2.9
Rated Voltage (Vac)	250	250	250	250
Cap. / TC Code	X7R	X7R	X7R	X7R
10000pF	p191			
15000pF	p191			
22000pF		p191		
33000pF			p191	
47000pF			p191	
56000pF				p191

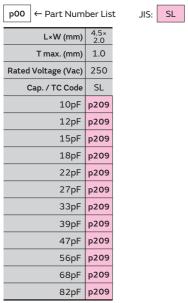
GA3 Series Type GD Temperature Compensating Type



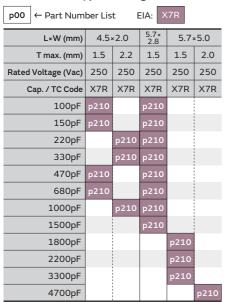
GA3 Series Type GD High Dielectric Constant Type

-	•		_					
p00 ← Part Num	ber Lis	t i	EIA: X	.7F				
L×W (mm)	4.5× 2.0	4.5	5×3.2					
T max. (mm)	1.5	1.5	2.0					
Rated Voltage (Vac)	250	250	250					
Cap. / TC Code	X7R	X7R	X7R					
100pF	p198							
150pF	p198							
220pF	p198							
330pF	p198							
470pF	p198							
680pF	p198							
1000pF	p198							
1500pF	p198							
1800pF		p198						
2200pF		p198						
4700pF			p198					

GA3 Series Type GF Temperature Compensating Type



GA3 Series Type GF High Dielectric Constant Type



LLL Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7R X7S X6S X5R																							
L×W (mm)	(0.5×1.0)	0.6× 1.0		0.8×1.6									1.25×2.0								
T max. (mm)		0.35		0.45		0.	.5		0.55	0.55 0.6						0.5						0.7	
Rated Voltage (Vdc)	6.3	4	4	4	25	16	10	4	4	50	25	16	10	4	50	25	16	10	6.3	4	50	25	
Cap. / TC Code	X6S	X7S	X6S	X5R	X7R	X7R	X7R	X7S	X7S	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X7S	X7R	X7R	
2200pF										p220													
4700pF										p220													
10000pF					p220			!			p220				p220						p220		
22000pF						p220					p220					p220					p220		
47000pF						p220						p220					p220					p220	
0.10µF	p220						p220						p220				p220					p220	
0.22µF	p220							p220					p220					p220					
0.47µF		p220												p220					p220				
1.0µF			p220																	p220			
2.2µF									p220														
4.3µF				p220																			
4.7µF																							
10µF																							

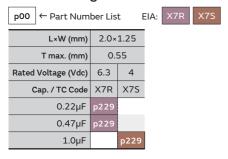
Continued to the following table. $\mspace{\hspace{-0.1cm} \swarrow}$

L×W (mm)		1.25	×2.0						1.6×3.2										
T max. (mm)	0.7		0.95			0.	.5				0.8			1.25					
Rated Voltage (Vdc)	10	16	10	4	50 25 16 10			50	50 25 16 10 6.3			50	25	16 10 6.3			.3		
Cap. / TC Code	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X5R
2200pF																			
4700pF																			
10000pF					p220				p220										
22000pF					p220				p220										
47000pF						p220			p220										
0.10µF						p220				p220				p220					
0.22µF	p220	p220					p220				p220				p220				
0.47µF			p220					p220			p220				p220				
1.0µF			p220									p220				p220			
2.2µF				p220									p220				p220		
4.3µF																			
4.7µF																		p220	
10μF																			p220

LLA Series High Dielectric Constant Type

	_													
p00 ← Part Number List EIA: X7R X7S														
L×W (mm)	1.6× 0.8		2.0×1.25											
T max. (mm)	0.55		0.55 0.95											
Rated Voltage (Vdc)	4	25	16	10	6.3	4	25	16	10	6.3	4			
Cap. / TC Code	X7S	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7S			
10000pF		p223					p223							
22000pF		p223					p223							
47000pF			p223				p223							
0.10µF	p223		p223					p223						
0.22µF	p223			p223				p223						
0.47µF	p223				p223				p223					
1.0µF						p223				p223				
2.2µF	p223										p223			
4.7µF						p223								

LLM Series High Dielectric Constant Type



LLR Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	t E	EIA: X	(75
L×W (mm)		0.8	×1.6	
T max. (mm)		0.	55	
Rated Voltage (Vdc)		4	1	
TC Code		X	7S	
Cap. / ESR (mΩ)	100	220	470	1000
1.0µF	p233	p233	p233	p233

NFM Series

p00 ← Part Number List

L×W (mm)				1.0	×0.5					1.6	×0.8			2	.0×1.2	5		3.2× 1.25		3.2×1.6	5	4	l.5×1.6	
T max. (mm)	0.3	35		0	.5		0.65	0.7	0	.7	0	.9			0.95			0.9		1.5			1.2	
Rated Voltage (Vdc)	6.3	4	16	10	6.3	2.5	2.5	2.5	16	6.3	10	6.3	50	25	16	10	6.3	50	100	50	6.3	100	50	25
Cap. / TC Code	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100pF									p237															
220pF									p237				p237					p237						
470pF									p237				p237					p237				p237		
1000pF									p237				p237					p237				p237		
2200pF			p237	p237					p237				p237					p237				p237		
10000pF																			p237	p237				
15000pF																			p237	p237				
22000pF			p237	p237					p237				p237					p237	p237	p237		p237		
47000pF			p237	p237																				
0.10µF				p237	p237				p237					p237					p237	p237				
0.20µF																								
0.22µF				p237	p237					p237					p237									
0.47µF	p237	p237								p237					p237									
1.0µF		p237								p237		p237			p237	p237								
1.5µF																							p237	p237
2.2µF										p237	p237						p237							
4.3µF						p237																		
4.7µF																p237								
7.5µF							p237																	
9.1µF								p237																
10μF																	p237							
27μF																					p237			

KRM Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	t E	EIA: X	K7R	X7S	X6S	X5R															
L×W (mm)		2	.2×1.2	5			;	3.5×1.7	7		3.6× 1.7	3.7× 1.85					6.1	×5.3				
T max. (mm)	1.	.9		2.0		2.0		2	.9		2.9	2.9					3.0					3.9
Rated Voltage (Vdc)	25	16		25		25	100	50	35	25	50	100	1000	630	450	250	100	63	50	35	25	100
Cap. / TC Code	X5R	X5R	X7S	X6S	X5R	X5R	X7R	X7R	X6S	X6S	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R
68000pF													p241									
0.10µF							!						p241									
0.15µF														p241								
0.22µF														p241								
0.33µF															p241							
0.47µF							!								p241							
0.68µF																p241						
1.0µF							p241									p241						
1.5µF																						
2.2µF											p241	p241										
4.7µF								p241									p241	p241	p241			
6.8µF																						p241
10µF	p241	p241	p241	p241		p241			p241	p241									p241	p241		p241
15µF																				p241	p241	
17µF																						
22µF					p241																	
33µF																						
47µF																						
68µF																						
100µF																						

Continued to the following table. $\slash\hspace{-0.4em} \slash\hspace{-0.4em} \slash\hspace{-0$

L×W (mm)										5.1×5.3	3			1					
T max. (mm)			3.9						5	.0						6.	.7		
Rated Voltage (Vdc)	63	50	35	2	5	1000	630	450	250	100	50	35	25	100	63	50	35	2	5
Cap. / TC Code	X7R	X7R	X7R	X7R	X7S	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7S
68000pF																			
0.10µF																			
0.15µF						p241													
0.22µF						p241													
0.33µF							p241												
0.47µF							p241												
0.68µF								p241						!					
1.0µF								p241											
1.5µF									p241										
2.2µF									p241					!					
4.7µF																			
6.8µF																			
10µF	p241									p241				!					
15µF														p241					
17µF		p241	p241																
22µF			p241	p241							p241	p241		p241	p241				
33µF				p241								p241	p241			p241			
47µF					p241												p241	p241	
68µF																		p241	
100µF														!					p241

KR3 Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	t E	EIA: X	(7T							
L×W (mm)					(6.1×5.3	3				
T max. (mm)		3.0			3.9		5.	.0		6.7	
Rated Voltage (Vdc)	630	450	250	630	450	250	450	250	630	450	250
Cap. / TC Code	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T	X7T
0.10µF	p245										
0.15µF	p245										
0.22µF		p245		p245							
0.27µF				p245							
0.33µF		p245									
0.47µF		p245	p245						p245		
0.56µF					p245				p245		
0.68µF			p245				p245				
1.0µF						p245	p245				
1.2µF										p245	
1.5µF								p245			
2.2µF											p245

GMA Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	t .	JIS:	R	В	EI	A: X7	'R X	5R										
L×W (mm)	0.	38×0.3	38				0.5	×0.5							0.8	×0.8			
T max. (mm)		0.35					0	.4							0.	.6			
Rated Voltage (Vdc)		10		100	2	5		10		6	.3	100	2	5		10		6	.3
Cap. / TC Code	X7R	R	В	X7R	X7R	В	X7R	R	В	X5R	В	X7R	X7R	В	X7R	R	В	X5R	В
100pF				p251															
150pF				p251		 									 				
220pF				p251															
330pF				p251															
470pF				p251															
680pF				p251															
1000pF	p251	p251	p251	p251															
1500pF	p251	p251	p251		p251	p251						p251							
1800pF	p251	p251	p251																
2200pF					p251	p251						p251							
3300pF					p251	p251						p251							
4700pF					p251	p251						p251							
6800pF							p251	p251	p251			p251							
10000pF	p251	p251					p251	p251	p251				p251	p251					
15000pF							p251	p251	p251				p251	p251					
22000pF							p251	p251	p251				p251	p251					
33000pF															p251	p251	p251		
47000pF															p251	p251	p251		
68000pF															p251	p251	p251		
0.10µF										p251	p251				p251	p251	p251		
0.47µF																		p251	p251

GMD Series High Dielectric Constant Type

p00 ← Part Num	ber Lis	t .	JIS:	R	В	EI	A: X7	'R X	5R													
L×W (mm)					(0.6×0.3	3									:	1.0×0.5	5				
T max. (mm)						0.33											0.55					
Rated Voltage (Vdc)		25			16			10		6	.3		50			25			16		1	0
Cap. / TC Code	X7R	R	В	X7R	R	В	X7R	R	В	X5R	В	X7R	R	В	X7R	R	В	X7R	R	В	X5R	В
100pF	p257	p257	p257																			
120pF	p257	p257	p257																			
150pF	p257	p257	p257			!																
180pF	p257	p257	p257																			
220pF	p257	p257	p257									p257	p257	p258								
270pF	p257	p257	p257									p257	p258	p258								
330pF	p257	p257	p257									p257	p258	p258								
390pF	p257	p257	p257									p257	p258	p258								
470pF	p257	p257	p257									p257	p258	p258								
560pF	p257	p257	p257									p257	p258	p258								
680pF	p257	p257	p257									p257	p258	p258								
820pF	p257	p257										p257	p258	p258								
1000pF	p257	p257				! !						p257	p258									
1200pF	p257	p257										p257	p258									
1500pF	p257	p257										p257	p258									
1800pF			•	p257	p257	p257						p257	p258									
2200pF				p257	-	p257						p257	p258									
2700pF				p257	p257	p257						p257		p258								
3300pF						p257						p257	p258									
3900pF				pzsi	pzsi	p231	p257	p257	p257	i		p257		p258								
						!	p257		p257			p257		p258								
4700pF									p257			μ257	p236	p236	p258	p258	-250					
5600pF							p257									_						
6800pF							p257		p257													
8200pF							p257		p257						p258	p258						
10000pF							p257	p257	p257													
12000pF															p258	p258						
15000pF															p258							
18000pF															p258	p258						
22000pF						!										p258						
27000pF																p258						
33000pF																p258						
39000pF																p258						
47000pF															p258	p258	p258					
56000pF										p257								p258				
68000pF										p257									p258			
82000pF						1				p257								_	p258			
0.10μF						!				p257	p257							p258	p258			
0.12μF																					p258	
0.15µF																					p258	
0.18μF																					p258	
0.22µF						!															p258	
0.27μF																					p258	
0.33µF						!															p258	
0.39µF																					p258	
0.47µF						!															p258	p258

Search Capacitors

Specifications and Test Methods, Package, Chart of Characteristic Data, please refer to the search web page.

https://www.murata.com/en-global/products/capacitor

Links are provided to the product detail pages on the web, and are shown below in the product number table from the PDF version of the catalog which is available on the web.



Status and Features Icons

The status and features of products can be checked at once. When ② is clicked, a description of each icon will be displayed

Stock Check (Where to buy)

Some products can request free samples. Reference inventory information from agents and web-based companies.

Data Sheet

The product details page can be output in PDF.

How to read part numbers

Describes the meaning of the part number

Series Information

This links to the introduction page of each series.

Detailed Specifications Sheet

- Rated value
- Specifications and Test Methods
- Package
- Caution, Notice(Storage, Soldering and Mounting,etc.)

Characteristics Data

The following characteristics data of the main products can be acquired.

- SPICE Netlist (mod type)
- S parameter (S2P type)
- Reliability Test Data *Typical data
- Shape (Dimensions)
- Rated Values
- Specification by Packaging Code/ Minimum Order Quantity
- Weight (1 pc/ø180mm reel)

Chart of Characteristic Data

The main products published characteristic data.

- Frequency characteristics (ESR, Impedance)
- DC bias characteristics
- AC voltage characteristics
- Capacitance temperature characteristics
- Calorific property by ripple current

Design Tools SimSurfing

The SimSurfing design tools are useful for displaying the graph, downloading CSV data and overwriting the product number graph.

 \exists

Chip Multilayer Ceramic Capacitors for General Purpose

GRM Series

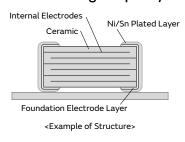


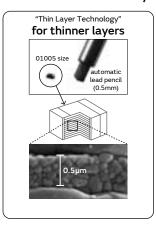


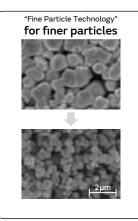
This is Murata primary products renowned for both small size and large capacitance value with latest advanced technology.

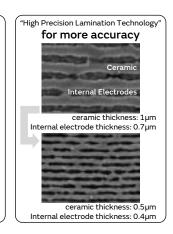
Features

Achieves large-capacity and small size in a multilayer structure.









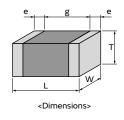
- Sn plating is applied to the external electrodes; excellent solderability.
- (3) High reliability with no polarity.

	Ceramic Capacitors	Tantalum Capacitor	Aluminum Electrolytic Capacitor	Conductive Polymer Capacitor
Price	0	0	0	0
Comparison between Impedance Frequency Characteristics	©	Δ	Δ	0
Capacitance temperature characteristics	0	0	0	0
DC breakdown voltage	0	Δ	Δ	Δ
Polarity	No	Yes	Yes	Yes
Pulse response	0	Δ	Δ	0
Allowable ripple current	0	Δ	Δ	Δ
Reliability	0	0	0	0
DC bias characteristics	Δ	0	©	0

 \bigcirc : Particularly excellent \bigcirc : Excellent \triangle : Inferior

Specifications

Size (mm)	0.25×0.125mm to 5.7×5.0mm
Rated Voltage	2.5Vdc to 3150Vdc
Capacitance	0.10pF to 330μF
Main Applications	1. Rated voltage 100V Max. High Dielectric Constant Type · · · For decoupling and smoothing circuits Temperature Compensating Type · · · For tuning circuits, oscillating circuits, and high frequency filter circuits 2. Rated voltage 200V min. High Dielectric Constant Type · · · For clamp snubber circuits and smoothing circuits Temperature Compensating Type · · · Power supply damper snubber



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

0.4×0.	2mm				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	50Vdc	COG	0.20pF	±0.05pF	GRM0225C1HR20WA03#
				±0.1pF	GRM0225C1HR20BA03#
			0.30pF	±0.05pF	GRM0225C1HR30WA03#
				±0.1pF	GRM0225C1HR30BA03#
			0.40pF	±0.05pF	GRM0225C1HR40WA03#
				±0.1pF	GRM0225C1HR40BA03#
			0.50pF	±0.05pF	GRM0225C1HR50WA03#
				±0.1pF	GRM0225C1HR50BA03#
			0.60pF	±0.05pF	GRM0225C1HR60WA03#
				±0.1pF	GRM0225C1HR60BA03#
			0.70pF	±0.05pF	GRM0225C1HR70WA03#
				±0.1pF	GRM0225C1HR70BA03#
			0.80pF	±0.05pF	GRM0225C1HR80WA03#
				±0.1pF	GRM0225C1HR80BA03#
			0.90pF	±0.05pF	GRM0225C1HR90WA03#
				±0.1pF	GRM0225C1HR90BA03#
			1.0pF	±0.05pF	GRM0225C1H1R0WA03#
				±0.1pF	GRM0225C1H1R0BA03#
				±0.25pF	GRM0225C1H1R0CA03#
			1.1pF	±0.05pF	GRM0225C1H1R1WA03#
				±0.1pF	GRM0225C1H1R1BA03#
				±0.25pF	GRM0225C1H1R1CA03#
			1.2pF	±0.05pF	GRM0225C1H1R2WA03#
				±0.1pF	GRM0225C1H1R2BA03#
				±0.25pF	GRM0225C1H1R2CA03#
			1.3pF	±0.05pF	GRM0225C1H1R3WA03#
				±0.1pF	GRM0225C1H1R3BA03#
				±0.25pF	GRM0225C1H1R3CA03#
			1.4pF	±0.05pF	GRM0225C1H1R4WA03#
				±0.1pF	GRM0225C1H1R4BA03#
				±0.25pF	GRM0225C1H1R4CA03#
			1.5pF	±0.05pF	GRM0225C1H1R5WA03#
				±0.1pF	GRM0225C1H1R5BA03#
				±0.25pF	GRM0225C1H1R5CA03#
			1.6pF	±0.05pF	GRM0225C1H1R6WA03#
				±0.1pF	GRM0225C1H1R6BA03#
				±0.25pF	GRM0225C1H1R6CA03#
			1.7pF	±0.05pF	GRM0225C1H1R7WA03#
				±0.1pF	GRM0225C1H1R7BA03#
					GRM0225C1H1R7CA03#
			1.8pF	±0.05pF	GRM0225C1H1R8WA03#
				±0.1pF	GRM0225C1H1R8BA03#
				· ·	GRM0225C1H1R8CA03#
			1.9pF		GRM0225C1H1R9WA03#
				· ·	GRM0225C1H1R9BA03#
				-	GRM0225C1H1R9CA03#
			2.0pF		GRM0225C1H2R0WA03#
					GRM0225C1H2R0BA03#
				-	GRM0225C1H2R0CA03#
			2.1pF	· ·	GRM0225C1H2R1WA03#
				-	GRM0225C1H2R1BA03#
				-	GRM0225C1H2R1CA03#
				v.23pr	GIV. 1022301112R1CAU3#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	50Vdc	COG	2.2pF	±0.05pF	GRM0225C1H2R2WA03#	
				±0.1pF	GRM0225C1H2R2BA03#	
				±0.25pF	GRM0225C1H2R2CA03#	
			2.3pF	±0.05pF	GRM0225C1H2R3WA03#	
				±0.1pF	GRM0225C1H2R3BA03#	
				±0.25pF	GRM0225C1H2R3CA03#	
			2.4pF	±0.05pF	GRM0225C1H2R4WA03#	
				±0.1pF	GRM0225C1H2R4BA03#	
				±0.25pF	GRM0225C1H2R4CA03#	
			2.5pF	±0.05pF	GRM0225C1H2R5WA03#	
				±0.1pF	GRM0225C1H2R5BA03#	
				±0.25pF	GRM0225C1H2R5CA03#	
			2.6pF	±0.05pF	GRM0225C1H2R6WA03#	
				±0.1pF	GRM0225C1H2R6BA03#	
				±0.25pF	GRM0225C1H2R6CA03#	
			2.7pF	±0.05pF	GRM0225C1H2R7WA03#	
				±0.1pF	GRM0225C1H2R7BA03#	
				±0.25pF	GRM0225C1H2R7CA03#	
			2.8pF	±0.05pF	GRM0225C1H2R8WA03#	
				±0.1pF	GRM0225C1H2R8BA03#	
				±0.25pF	GRM0225C1H2R8CA03#	
			2.9pF	±0.05pF	GRM0225C1H2R9WA03#	
				±0.1pF	GRM0225C1H2R9BA03#	
				±0.25pF	GRM0225C1H2R9CA03#	
			3.0pF	±0.05pF	GRM0225C1H3R0WA03#	
				±0.1pF	GRM0225C1H3R0BA03#	
				±0.25pF	GRM0225C1H3R0CA03#	
			3.1pF	±0.05pF	GRM0225C1H3R1WA03#	
				±0.1pF	GRM0225C1H3R1BA03#	
				±0.25pF	GRM0225C1H3R1CA03#	
			3.2pF	±0.05pF	GRM0225C1H3R2WA03#	
				±0.1pF	GRM0225C1H3R2BA03#	
					GRM0225C1H3R2CA03#	
			3.3pF	±0.05pF	GRM0225C1H3R3WA03#	
					GRM0225C1H3R3BA03#	
				±0.25pF	GRM0225C1H3R3CA03#	
			3.4pF		GRM0225C1H3R4WA03#	
					GRM0225C1H3R4BA03#	
					GRM0225C1H3R4CA03#	
			3.5pF		GRM0225C1H3R5WA03#	
					GRM0225C1H3R5BA03#	
					GRM0225C1H3R5CA03#	
			3.6pF		GRM0225C1H3R6WA03#	
					GRM0225C1H3R6BA03#	
			0 = -		GRM0225C1H3R6CA03#	
			3.7pF	· ·	GRM0225C1H3R7WA03#	
					GRM0225C1H3R7BA03#	
			22 -		GRM0225C1H3R7CA03#	
			3.8pF		GRM0225C1H3R8WA03#	
					GRM0225C1H3R8BA03#	
			20-5	-	GRM0225C1H3R8CA03#	
			3.9pF		GRM0225C1H3R9WA03#	
					GRM0225C1H3R9BA03#	
				±U.25pF	GRM0225C1H3R9CA03#	

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GRM Series Temperature Compensating Type Part Number List

(→ 0.4>	0.2mm	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	50Vdc	COG	4.0pF		GRM0225C1H4R0WA03#
				±0.1pF	GRM0225C1H4R0BA03#
				±0.25pF	GRM0225C1H4R0CA03#
			4.1pF	±0.05pF	GRM0225C1H4R1WA03#
				±0.1pF	GRM0225C1H4R1BA03#
				±0.25pF	GRM0225C1H4R1CA03#
			4.2pF	±0.05pF	GRM0225C1H4R2WA03#
				±0.1pF	GRM0225C1H4R2BA03#
				±0.25pF	GRM0225C1H4R2CA03#
			4.3pF	±0.05pF	GRM0225C1H4R3WA03#
				±0.1pF	GRM0225C1H4R3BA03#
				±0.25pF	GRM0225C1H4R3CA03#
			4.4pF	±0.05pF	GRM0225C1H4R4WA03#
				±0.1pF	GRM0225C1H4R4BA03#
				±0.25pF	GRM0225C1H4R4CA03#
			4.5pF	±0.05pF	GRM0225C1H4R5WA03#
				±0.1pF	GRM0225C1H4R5BA03#
				±0.25pF	GRM0225C1H4R5CA03#
			4.6pF	±0.05pF	GRM0225C1H4R6WA03#
				±0.1pF	GRM0225C1H4R6BA03#
				±0.25pF	GRM0225C1H4R6CA03#
			4.7pF	±0.05pF	GRM0225C1H4R7WA03#
				±0.1pF	GRM0225C1H4R7BA03#
				±0.25pF	GRM0225C1H4R7CA03#
			4.8pF	±0.05pF	GRM0225C1H4R8WA03#
				±0.1pF	GRM0225C1H4R8BA03#
				±0.25pF	GRM0225C1H4R8CA03#
			4.9pF		GRM0225C1H4R9WA03#
				±0.1pF	GRM0225C1H4R9BA03#
				±0.25pF	GRM0225C1H4R9CA03#
			5.0pF	±0.05pF	GRM0225C1H5R0WA03#
				±0.1pF	GRM0225C1H5R0BA03#
					GRM0225C1H5R0CA03#
			5.1pF		GRM0225C1H5R1WA03#
					GRM0225C1H5R1BA03#
					GRM0225C1H5R1CA03#
				-	GRM0225C1H5R1DA03#
			5.2pF		GRM0225C1H5R2WA03#
					GRM0225C1H5R2BA03#
				<u> </u>	GRM0225C1H5R2CA03#
			F 2 - F		GRM0225C1H5R2DA03#
			5.3pF	· ·	GRM0225C1H5R3WA03#
					GRM0225C1H5R3BA03#
					GRM0225C1H5R3CA03#
			- 4 -		GRM0225C1H5R3DA03#
			5.4pF	<u> </u>	GRM0225C1H5R4WA03#
				<u> </u>	GRM0225C1H5R4BA03#
				<u> </u>	GRM0225C1H5R4CA03#
					GRM0225C1H5R4DA03#
			5.5pF		GRM0225C1H5R5WA03#
					GRM0225C1H5R5BA03#
				-	GRM0225C1H5R5CA03#
			F. C		GRM0225C1H5R5DA03#
			5.6pF	±0.05pF	GRM0225C1H5R6WA03#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	50Vdc	COG	5.6pF	±0.1pF	GRM0225C1H5R6BA03#
				±0.25pF	GRM0225C1H5R6CA03#
				±0.5pF	GRM0225C1H5R6DA03#
			5.7pF	±0.05pF	GRM0225C1H5R7WA03#
				±0.1pF	GRM0225C1H5R7BA03#
				±0.25pF	GRM0225C1H5R7CA03#
				±0.5pF	GRM0225C1H5R7DA03#
			5.8pF	±0.05pF	GRM0225C1H5R8WA03#
				±0.1pF	GRM0225C1H5R8BA03#
				±0.25pF	GRM0225C1H5R8CA03#
				±0.5pF	GRM0225C1H5R8DA03#
			5.9pF	±0.05pF	GRM0225C1H5R9WA03#
			·	±0.1pF	GRM0225C1H5R9BA03#
					GRM0225C1H5R9CA03#
				±0.5pF	GRM0225C1H5R9DA03#
			6.0pF	-	GRM0225C1H6R0WA03#
			о.ор.	<u> </u>	
					GRM0225C1H6R0CA03#
				-	GRM0225C1H6R0DA03#
			6.1pF		
			о.трг		GRM0225C1H6R1WA03#
					GRM0225C1H6R1CA03#
			6.25	±0.5pF	GRM0225C1H6R1DA03#
			6.2pF	<u>.</u>	GRM0225C1H6R2WA03#
					GRM0225C1H6R2BA03#
					GRM0225C1H6R2CA03#
			6.2-5		GRM0225C1H6R2DA03#
			6.3pF	-	GRM0225C1H6R3WA03#
				±0.1pF	GRM0225C1H6R3BA03#
					GRM0225C1H6R3CA03#
				±0.5pF	GRM0225C1H6R3DA03#
			6.4pF		GRM0225C1H6R4WA03#
				±0.1pF	GRM0225C1H6R4BA03#
				±0.25pF	GRM0225C1H6R4CA03#
				±0.5pF	GRM0225C1H6R4DA03#
			6.5pF	±0.05pF	GRM0225C1H6R5WA03#
				±0.1pF	GRM0225C1H6R5BA03#
				±0.25pF	GRM0225C1H6R5CA03#
				±0.5pF	GRM0225C1H6R5DA03#
			6.6pF	±0.05pF	GRM0225C1H6R6WA03#
				±0.1pF	GRM0225C1H6R6BA03#
				±0.25pF	GRM0225C1H6R6CA03#
				±0.5pF	GRM0225C1H6R6DA03#
			6.7pF	±0.05pF	GRM0225C1H6R7WA03#
				±0.1pF	GRM0225C1H6R7BA03#
				±0.25pF	GRM0225C1H6R7CA03#
				±0.5pF	GRM0225C1H6R7DA03#
			6.8pF	±0.05pF	GRM0225C1H6R8WA03#
				±0.1pF	GRM0225C1H6R8BA03#
				±0.25pF	GRM0225C1H6R8CA03#
				±0.5pF	GRM0225C1H6R8DA03#
			6.9pF	±0.05pF	GRM0225C1H6R9WA03#
				±0.1pF	GRM0225C1H6R9BA03#
				±0.25pF	GRM0225C1H6R9CA03#
			_		

(→ 0.4×	0.2mm	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	50Vdc	COG	6.9pF	±0.5pF	GRM0225C1H6R9DA03#
			7.0pF	±0.05pF	GRM0225C1H7R0WA03#
				±0.1pF	GRM0225C1H7R0BA03#
				±0.25pF	GRM0225C1H7R0CA03#
				±0.5pF	GRM0225C1H7R0DA03#
			7.1pF	±0.05pF	GRM0225C1H7R1WA03#
				±0.1pF	GRM0225C1H7R1BA03#
				±0.25pF	GRM0225C1H7R1CA03#
				±0.5pF	GRM0225C1H7R1DA03#
			7.2pF	±0.05pF	GRM0225C1H7R2WA03#
				±0.1pF	GRM0225C1H7R2BA03#
				±0.25pF	GRM0225C1H7R2CA03#
				±0.5pF	GRM0225C1H7R2DA03#
			7.3pF	±0.05pF	GRM0225C1H7R3WA03#
				±0.1pF	GRM0225C1H7R3BA03#
				±0.25pF	GRM0225C1H7R3CA03#
				±0.5pF	GRM0225C1H7R3DA03#
			7.4pF	±0.05pF	GRM0225C1H7R4WA03#
				±0.1pF	GRM0225C1H7R4BA03#
				±0.25pF	GRM0225C1H7R4CA03#
				±0.5pF	GRM0225C1H7R4DA03#
			7.5pF	±0.05pF	GRM0225C1H7R5WA03#
				±0.1pF	GRM0225C1H7R5BA03#
				±0.25pF	GRM0225C1H7R5CA03#
					GRM0225C1H7R5DA03#
			7.6pF	-	GRM0225C1H7R6WA03#
				-	GRM0225C1H7R6BA03#
				-	GRM0225C1H7R6CA03# GRM0225C1H7R6DA03#
			7.7pF		GRM0225C1H7R7WA03#
			р.	±0.1pF	GRM0225C1H7R7BA03#
					GRM0225C1H7R7CA03#
				±0.5pF	GRM0225C1H7R7DA03#
			7.8pF		GRM0225C1H7R8WA03#
			·		GRM0225C1H7R8BA03#
					GRM0225C1H7R8CA03#
					GRM0225C1H7R8DA03#
			7.9pF	±0.05pF	GRM0225C1H7R9WA03#
				±0.1pF	GRM0225C1H7R9BA03#
				±0.25pF	GRM0225C1H7R9CA03#
				±0.5pF	GRM0225C1H7R9DA03#
			8.0pF	±0.05pF	GRM0225C1H8R0WA03#
				±0.1pF	GRM0225C1H8R0BA03#
				±0.25pF	GRM0225C1H8R0CA03#
				±0.5pF	GRM0225C1H8R0DA03#
			8.1pF	±0.05pF	GRM0225C1H8R1WA03#
				±0.1pF	GRM0225C1H8R1BA03#
				±0.25pF	GRM0225C1H8R1CA03#
				±0.5pF	GRM0225C1H8R1DA03#
			8.2pF	±0.05pF	GRM0225C1H8R2WA03#
				· ·	GRM0225C1H8R2BA03#
				-	GRM0225C1H8R2CA03#
				±0.5pF	GRM0225C1H8R2DA03#
			8.3pF	±0.05pF	GRM0225C1H8R3WA03#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	50Vdc	COG	8.3pF	±0.1pF	GRM0225C1H8R3BA03#	
				±0.25pF	GRM0225C1H8R3CA03#	
				±0.5pF	GRM0225C1H8R3DA03#	
			8.4pF	±0.05pF	GRM0225C1H8R4WA03#	
				±0.1pF	GRM0225C1H8R4BA03#	
				±0.25pF	GRM0225C1H8R4CA03#	
				±0.5pF	GRM0225C1H8R4DA03#	
			8.5pF	±0.05pF	GRM0225C1H8R5WA03#	
				±0.1pF	GRM0225C1H8R5BA03#	
				±0.25pF	GRM0225C1H8R5CA03#	
				±0.5pF	GRM0225C1H8R5DA03#	
			8.6pF	±0.05pF	GRM0225C1H8R6WA03#	
				±0.1pF	GRM0225C1H8R6BA03#	
				±0.25pF	GRM0225C1H8R6CA03#	
				±0.5pF	GRM0225C1H8R6DA03#	
			8.7pF	±0.05pF	GRM0225C1H8R7WA03#	
				±0.1pF	GRM0225C1H8R7BA03#	
				±0.25pF	GRM0225C1H8R7CA03#	
				±0.5pF	GRM0225C1H8R7DA03#	
			8.8pF	±0.05pF	GRM0225C1H8R8WA03#	
				±0.1pF	GRM0225C1H8R8BA03#	
				±0.25pF	GRM0225C1H8R8CA03#	
				±0.5pF	GRM0225C1H8R8DA03#	
			8.9pF	±0.05pF	GRM0225C1H8R9WA03#	
					GRM0225C1H8R9BA03#	
				· ·	GRM0225C1H8R9CA03#	
				±0.5pF	GRM0225C1H8R9DA03#	
			9.0pF	· ·	GRM0225C1H9R0WA03#	
					GRM0225C1H9R0BA03#	
				<u> </u>	GRM0225C1H9R0CA03#	
			9.1pF	±0.5pF	GRM0225C1H9R0DA03# GRM0225C1H9R1WA03#	
			9.1pr			_
					GRM0225C1H9R1BA03# GRM0225C1H9R1CA03#	_
					GRM0225C1H9R1DA03#	_
			9.2pF		GRM0225C1H9R2WA03#	_
			3. _ p.		GRM0225C1H9R2BA03#	_
					GRM0225C1H9R2CA03#	_
				·	GRM0225C1H9R2DA03#	_
		-	9.3pF		GRM0225C1H9R3WA03#	
					GRM0225C1H9R3BA03#	
				-	GRM0225C1H9R3CA03#	
					GRM0225C1H9R3DA03#	
			9.4pF		GRM0225C1H9R4WA03#	
					GRM0225C1H9R4BA03#	
				-	GRM0225C1H9R4CA03#	
					GRM0225C1H9R4DA03#	
			9.5pF		GRM0225C1H9R5WA03#	
			-		GRM0225C1H9R5BA03#	
				±0.25pF	GRM0225C1H9R5CA03#	
				±0.5pF	GRM0225C1H9R5DA03#	
			9.6pF	±0.05pF	GRM0225C1H9R6WA03#	
				±0.1pF	GRM0225C1H9R6BA03#	
				±0.25pF	GRM0225C1H9R6CA03#	

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GRM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

(→ 0.4)	<u> </u>				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	50Vdc	COG	9.6pF	±0.5pF	GRM0225C1H9R6DA03#
			9.7pF	±0.05pF	GRM0225C1H9R7WA03#
				±0.1pF	GRM0225C1H9R7BA03#
				±0.25pF	GRM0225C1H9R7CA03#
				±0.5pF	GRM0225C1H9R7DA03#
			9.8pF		GRM0225C1H9R8WA03#
			·		GRM0225C1H9R8BA03#
					GRM0225C1H9R8CA03#
				±0.5pF	GRM0225C1H9R8DA03#
			9.9pF	· ·	GRM0225C1H9R9WA03#
			3.56.	· ·	GRM0225C1H9R9BA03#
				-	GRM0225C1H9R9CA03#
			10.5	±0.5pF	GRM0225C1H9R9DA03#
			10pF	±2%	GRM0225C1H100GA03#
				±5%	GRM0225C1H100JA03#
			11pF	±2%	GRM0225C1H110GA03#
				±5%	GRM0225C1H110JA03#
			12pF	±2%	GRM0225C1H120GA03#
				±5%	GRM0225C1H120JA03#
			13pF	±2%	GRM0225C1H130GA03#
				±5%	GRM0225C1H130JA03#
			15pF	±2%	GRM0225C1H150GA03#
				±5%	GRM0225C1H150JA03#
			16pF	±2%	GRM0225C1H160GA03#
				±5%	GRM0225C1H160JA03#
			17pF	±5%	GRM0225C1H170JA02#
			18pF	±5%	GRM0225C1H180JA02#
			19pF	±5%	GRM0225C1H190JA02#
			20pF	±5%	GRM0225C1H200JA02#
			21pF	±5%	GRM0225C1H210JA02#
			22pF	±5%	GRM0225C1H220JA02#
			23pF	±5%	GRM0225C1H230JA02#
			24pF	±5%	GRM0225C1H240JA02#
			27pF	±5%	GRM0225C1H270JA02#
			30pF	±5%	GRM0225C1H300JA02#
				±5%	
			33pF		GRM0225C1H330JA02#
			36pF	±5%	GRM0225C1H360JA02#
			39pF	±5%	GRM0225C1H390JA02#
			43pF	±5%	GRM0225C1H430JA02#
			47pF	±5%	GRM0225C1H470JA02#
			51pF	±5%	GRM0225C1H510JA02#
			56pF	±5%	GRM0225C1H560JA02#
			62pF	±5%	GRM0225C1H620JA02#
			68pF	±5%	GRM0225C1H680JA02#
			75pF	±5%	GRM0225C1H750JA02#
			82pF	±5%	GRM0225C1H820JA02#
			91pF	±5%	GRM0225C1H910JA02#
			100pF	±5%	GRM0225C1H101JA02#
		СК	0.20pF	±0.05pF	GRM0224C1HR20WA03#
					GRM0224C1HR20BA03#
			0.30pF		GRM0224C1HR30WA03#
			P.	· ·	GRM0224C1HR30BA03#
			0.40pF	· ·	GRM0224C1HR40WA03#
			υτυμι	-	
				±0.1pF	GRM0224C1HR40BA03#

		To				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	50Vdc	СК	0.50pF	±0.05pF	GRM0224C1HR50WA03#	_
				±0.1pF	GRM0224C1HR50BA03#	
			0.51pF	±0.05pF	GRM0224C1HR51WA03#	
			0.60pF	±0.05pF	GRM0224C1HR60WA03#	_
				±0.1pF	GRM0224C1HR60BA03#	_
			0.70pF	±0.05pF	GRM0224C1HR70WA03#	_
				±0.1pF	GRM0224C1HR70BA03#	_
			0.80pF	±0.05pF	GRM0224C1HR80WA03#	_
				±0.1pF	GRM0224C1HR80BA03#	_
			0.90pF	±0.05pF	GRM0224C1HR90WA03#	_
				±0.1pF	GRM0224C1HR90BA03#	_
			1.0pF	±0.05pF	GRM0224C1H1R0WA03#	_
				±0.1pF	GRM0224C1H1R0BA03#	_
				±0.25pF	GRM0224C1H1R0CA03#	_
			1.1pF	±0.05pF	GRM0224C1H1R1WA03#	_
				±0.1pF	GRM0224C1H1R1BA03#	_
				±0.25pF	GRM0224C1H1R1CA03#	_
			1.2pF		GRM0224C1H1R2WA03#	_
			'		GRM0224C1H1R2BA03#	_
					GRM0224C1H1R2CA03#	_
			1.3pF	±0.05pF	GRM0224C1H1R3WA03#	_
					GRM0224C1H1R3BA03#	_
					GRM0224C1H1R3CA03#	_
			1.4pF		GRM0224C1H1R4WA03#	_
					GRM0224C1H1R4BA03#	_
				-	GRM0224C1H1R4CA03#	_
			1.5pF		GRM0224C1H1R5WA03#	_
			•	±0.1pF	GRM0224C1H1R5BA03#	_
					GRM0224C1H1R5CA03#	_
			1.6pF		GRM0224C1H1R6WA03#	_
					GRM0224C1H1R6BA03#	_
					GRM0224C1H1R6CA03#	_
			1.7pF		GRM0224C1H1R7WA03#	_
			z p.		GRM0224C1H1R7BA03#	_
					GRM0224C1H1R7CA03#	_
			1.8pF	· ·	GRM0224C1H1R8WA03#	_
			т.ор.		GRM0224C1H1R8BA03#	_
					GRM0224C1H1R8CA03#	_
			1.9pF		GRM0224C1H1R9WA03#	-
			1.5pi		GRM0224C1H1R9BA03#	_
					GRM0224C1H1R9CA03#	_
			2.0pF	-	GRM0224C1H2R0WA03#	_
			2.0pr		GRM0224C1H2R0BA03#	-
					GRM0224C1H2R0CA03#	_
		CJ	2.1pF		GRM0223C1H2R1WA03#	_
		ری	7.1hL		GRM0223C1H2R1WA03#	_
				-		_
			2 2nE		GRM0223C1H2R1CA03#	_
			2.2pF		GRM0223C1H2R2WA03#	_
					GRM0223C1H2R2BA03#	_
			2 2- 5	-	GRM0223C1H2R2CA03#	_
			2.3pF	-	GRM0223C1H2R3WA03#	_
					GRM0223C1H2R3BA03#	_
			.		GRM0223C1H2R3CA03#	_
			2.4pF	±0.05pF	GRM0223C1H2R4WA03#	_

(→ 0.4>	0.2mm	1)	•		•	
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	50Vdc	Cl	2.4pF	±0.1pF	GRM0223C1H2R4BA03#	
				±0.25pF	GRM0223C1H2R4CA03#	
			2.5pF	±0.05pF	GRM0223C1H2R5WA03#	
				±0.1pF	GRM0223C1H2R5BA03#	
				±0.25pF	GRM0223C1H2R5CA03#	
			2.6pF	±0.05pF	GRM0223C1H2R6WA03#	
				±0.1pF	GRM0223C1H2R6BA03#	
				±0.25pF	GRM0223C1H2R6CA03#	
			2.7pF	±0.05pF	GRM0223C1H2R7WA03#	
				±0.1pF	GRM0223C1H2R7BA03#	
				±0.25pF	GRM0223C1H2R7CA03#	
			2.8pF	±0.05pF	GRM0223C1H2R8WA03#	
				±0.1pF	GRM0223C1H2R8BA03#	
				±0.25pF	GRM0223C1H2R8CA03#	
			2.9pF	±0.05pF	GRM0223C1H2R9WA03#	
				±0.1pF	GRM0223C1H2R9BA03#	
				±0.25pF	GRM0223C1H2R9CA03#	
			3.0pF	±0.05pF	GRM0223C1H3R0WA03#	
				±0.1pF	GRM0223C1H3R0BA03#	
				±0.25pF	GRM0223C1H3R0CA03#	
			3.1pF	±0.05pF	GRM0223C1H3R1WA03#	
				±0.1pF	GRM0223C1H3R1BA03#	
				±0.25pF	GRM0223C1H3R1CA03#	
			3.2pF	±0.05pF	GRM0223C1H3R2WA03#	
			22.5	±0.1pF	GRM0223C1H3R2BA03#	
				±0.25pF	GRM0223C1H3R2CA03#	
			3.3pF		GRM0223C1H3R3WA03#	
				<u> </u>	GRM0223C1H3R3BA03#	
			2.4=5	· ·	GRM0223C1H3R3CA03#	
			3.4pF		GRM0223C1H3R4WA03#	
				<u> </u>	GRM0223C1H3R4BA03# GRM0223C1H3R4CA03#	_
			3.5pF	· ·	GRM0223C1H3R5WA03#	
			J.Jpi		GRM0223C1H3R5BA03#	_
					GRM0223C1H3R5CA03#	_
			3.6pF	-	GRM0223C1H3R6WA03#	
			о.ор.		GRM0223C1H3R6BA03#	
					GRM0223C1H3R6CA03#	
			3.7pF	-	GRM0223C1H3R7WA03#	_
			·		GRM0223C1H3R7BA03#	
					GRM0223C1H3R7CA03#	
			3.8pF	-	GRM0223C1H3R8WA03#	
			·	-	GRM0223C1H3R8BA03#	
				±0.25pF	GRM0223C1H3R8CA03#	
			3.9pF	±0.05pF	GRM0223C1H3R9WA03#	
				±0.1pF	GRM0223C1H3R9BA03#	_
				±0.25pF	GRM0223C1H3R9CA03#	
		СН	4.0pF	±0.05pF	GRM0222C1H4R0WA03#	
				±0.1pF	GRM0222C1H4R0BA03#	
				±0.25pF	GRM0222C1H4R0CA03#	
			4.1pF	±0.05pF	GRM0222C1H4R1WA03#	
				±0.1pF	GRM0222C1H4R1BA03#	
				±0.25pF	GRM0222C1H4R1CA03#	
			4.2pF	±0.05pF	GRM0222C1H4R2WA03#	

Date Code Cap. 10L Part Number Code Cap. 10L Part Number Code Co	т	Rated	тс				
10.25pF GRM0222C1H4R3WA03# 20.1pF GRM0222C1H4R3WA03# 20.5pF GRM0222C1H4R3WA03# 20.5pF GRM0222C1H4R4WA03# 20.2pF GRM0222C1H4R4WA03# 20.2pF GRM0222C1H4R5WA03# 20.2pF GRM0222C1H4R5WA03# 20.2pF GRM0222C1H4R5WA03# 20.2pF GRM0222C1H4R5WA03# 20.2pF GRM0222C1H4R5WA03# 20.2pF GRM022C1H4R5WA03# 20.2pF GRM0222C1H4R5WA03# 20.2pF GRM0222C1H4R9WA03# 20.2pF GRM0222C1H4R9WA03# 20.2pF GRM0222C1H4R9WA03# 20.2pF GRM0222C1H4R9WA03# 20.2pF GRM0222C1H4R9WA03# 20.2pF GRM0222C1H3PSA03# 20.2pF GRM0222C1H3PSA03# 20.2pF GRM0222C1H3PSA03# 20.2pF GRM0222C1H5R1WA03# 20.2pF GRM0222C1H5R2WA03# 20.2pF GRM0222C1H5R3WA03# 20.2pF				Cap.	Tol.	Part Number	
### ### ##############################	0.22mm	50Vdc	СН	4.2pF	±0.1pF	GRM0222C1H4R2BA03#	
#0.1pf GRM0222C1H4R3BA03# #0.2pf GRM0222C1H4R4BA03# #0.2pf GRM0222C1H4R4BA03# #0.2pf GRM0222C1H4R4BA03# #0.2pf GRM0222C1H4R5BA03# #0.2pf GRM0222C1H4R5BA03# #0.2pf GRM0222C1H4R5BA03# #0.2pf GRM0222C1H4R6BA03# #0.2pf GRM0222C1H4R6BA03# #0.2pf GRM0222C1H4R6BA03# #0.2pf GRM0222C1H4R6BA03# #0.2pf GRM0222C1H4R6BA03# #0.2pf GRM0222C1H4R6BA03# #0.2pf GRM0222C1H4R8AA03# #0.2pf GRM0222C1H4R8AA03# #0.2pf GRM0222C1H4R8AA03# #0.2pf GRM0222C1H4R8AA03# #0.2pf GRM0222C1H4R8AA03# #0.2pf GRM0222C1H4R8AA03# #0.2pf GRM0222C1H4R9AA03# #0.2pf GRM0222C1H4R9AA03# #0.2pf GRM0222C1H4R9AA03# #0.2pf GRM0222C1H5R0A03# #0.2pf GRM022C1H5R0A03# #0.2pf GRM0222C1H5R0A03# #0.2pf GRM0222C1H5R0A0					±0.25pF	GRM0222C1H4R2CA03#	
#0.25pF GRM0222C1H4R4WA03# #0.1pF GRM0222C1H4R4WA03# #0.25pF GRM0222C1H4R4WA03# #0.25pF GRM0222C1H4R4WA03# #0.1pF GRM0222C1H4R5WA03# #0.1pF GRM0222C1H4R5WA03# #0.1pF GRM0222C1H4R5WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R7WA03# #0.1pF GRM0222C1H4R7WA03# #0.1pF GRM0222C1H4R7WA03# #0.1pF GRM0222C1H4R7WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R6WA03# #0.1pF GRM0222C1H4R6WA03# #0.25pF GRM0222C1H4R6WA03# #0.25pF GRM0222C1H4R6WA03# #0.25pF GRM0222C1H4R6WA03# #0.25pF GRM0222C1H5R0WA03# #0.25pF GRM0222C1H5R0WA03# #0.25pF GRM0222C1H5R0WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R2WA03# #0.25pF GRM0222C1H5R2WA03# #0.25pF GRM0222C1H5R2WA03# #0.25pF GRM0222C1H5R2WA03# #0.25pF GRM0222C1H5R2WA03# #0.25pF GRM0222C1H5R2WA03# #0.25pF GRM0222C1H5R3WA03# #0.25pF GRM022C1H5R3WA03# #0.25pF GRM0222C1H5R3WA03# #0.25pF GRM0222C1H5R3WA03# #0.25pF GRM0222C1H5R3WA03# #0.25pF GRM0222C1H5R3WA03# #0.25pF GRM0222C1H5R3WA03# #0.25pF GRM0222C1H5R3WA03# #0.25p				4.3pF	±0.05pF	GRM0222C1H4R3WA03#	
4.4pF					±0.1pF	GRM0222C1H4R3BA03#	
#0.1pF					±0.25pF	GRM0222C1H4R3CA03#	
### ### ##############################				4.4pF	±0.05pF	GRM0222C1H4R4WA03#	
4.5pF					±0.1pF	GRM0222C1H4R4BA03#	
#0.1pF #0.05pF #0.05pF					±0.25pF	GRM0222C1H4R4CA03#	
### 10.25pF GRM0222C1H4R5CA03# ### 10.1pF GRM022C1H4R6MA03# ### 10.25pF GRM022C1H4R6MA03# ### 10.1pF GRM022C1H4R6MA03# ### 10.1pF GRM022C1H4R7MA03# ### 10.25pF GRM022C1H4R8MA03# ### 10.25pF GRM022C1H4R8MA03# ### 10.25pF GRM022C1H4R8MA03# ### 10.25pF GRM022C1H4R9MA03# ### 10.25pF GRM022C1H5R0MA03# ### 10.25pF GRM022C1H5R0MA03# ### 10.25pF GRM022C1H5R0MA03# ### 10.25pF GRM022C1H5R1MA03# ### 10.25pF GRM022C1H5R1MA03# ### 10.25pF GRM022C1H5R1MA03# ### 10.25pF GRM022C1H5R1MA03# ### 10.25pF GRM022C1H5R2MA03# ### 10.25pF GRM022C1H5R3MA03# ### 10.25pF GRM022C1H5R5MA03# ### 10.25pF GRM022C1H5R6MA03# ### 10.25pF GRM022C1H5R6MA03# ### 10.25pF GRM022C1H5R6MA03# ### 10.25pF GRM022C1H5R6MA03# ### 10.2				4.5pF	±0.05pF	GRM0222C1H4R5WA03#	
4.6pF ±0.05pF controlled to the controlled to th					±0.1pF	GRM0222C1H4R5BA03#	
#0.1pF #0.05pF #0.05pF					±0.25pF	GRM0222C1H4R5CA03#	
0.25pf GRM0222C1H4RF0A03# ±0.1pf GRM022C1H4RFNA03# ±0.25pf GRM022C1H4RFNA03# ±0.1pf GRM022C1H4RSNA03# ±0.1pf GRM022C1H4RSNA03# ±0.25pf GRM022C1H4RSNA03# ±0.25pf GRM022C1H4RSNA03# ±0.25pf GRM022C1H4RSNA03# ±0.25pf GRM022C1H4RSNA03# ±0.25pf GRM022C1H4RSNA03# ±0.25pf GRM022C1H5R0A03# ±0.25pf GRM022C1H5R0A03# ±0.25pf GRM022C1H5R0A03# ±0.25pf GRM022C1H5R1A03# ±0.25pf GRM022C1H5R1A03# ±0.25pf GRM022C1H5R1A03# ±0.25pf GRM022C1H5R1A03# ±0.25pf GRM022C1H5R1A03# ±0.25pf GRM022C1H5R1A03# ±0.25pf GRM022C1H5R2NA03# ±0.25pf GRM022C1H5R2NA03# ±0.25pf GRM022C1H5R2NA03# ±0.25pf GRM022C1H5R2NA03# ±0.25pf GRM022C1H5R3NA03# ±0.25pf GRM022C1H5R5NA03# ±0.25pf GRM022C1H5R6NA03# ±0.25pf GRM022C1H5R6NA03# ±0.25pf GRM022C1H5R6NA03# ±0.25pf GRM022C1H5R6NA03# ±0.25pf GRM022				4.6pF	±0.05pF	GRM0222C1H4R6WA03#	
4.7pF ±0.05pF GRM0222C1H4R7WA03# ±0.1pF GRM022C1H4R7BA03# ±0.25pF GRM022C1H4R8WA03# ±0.25pF GRM022C1H4R8WA03# ±0.25pF GRM022C1H4R8WA03# ±0.25pF GRM022C1H4R9BA03# ±0.25pF GRM022C1H4R9BA03# ±0.25pF GRM022C1H4R9BA03# ±0.25pF GRM022C1H5R0WA03# ±0.1pF GRM022C1H5R0WA03# ±0.25pF GRM022C1H5R0WA03# ±0.25pF GRM022C1H5R0WA03# ±0.25pF GRM022C1H5R0WA03# ±0.25pF GRM022C1H5R1WA03# ±0.25pF GRM022C1H5R1WA03# ±0.5pF GRM022C1H5R1WA03# ±0.5pF GRM022C1H5R1DA03# ±0.5pF GRM022C1H5R1DA03# ±0.5pF GRM022C1H5R2WA03# ±0.5pF GRM022C1H5R2WA03# ±0.5pF GRM022C1H5R3WA03# ±0.1pF GRM022C1H5R3WA03# ±0.5pF GRM022C1H5R3WA03# ±0.5pF GRM022C1H5R3WA03# ±0.5pF GRM022C1H5R3WA03# ±0.5pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R4WA03# ±0.5pF GRM022C1H5R4WA03# ±0.5pF GRM022C1H5R4WA03# ±0.5pF GRM022C1H5R4WA03# ±0.5pF GRM022C1H5R4DA03# ±0.5pF GRM022C1H5R5DA03# ±0.5pF GRM022C1H5R6DA03# ±0.5pF GRM022C1H5R6DA03# ±0.5pF GRM022C1H5R6DA03# ±0.5pF GRM022C1H5R6DA03# ±0.5pF GRM022C1H5R6DA03# ±0.5pF GRM022C1H5R5DA03# ±0.5pF GRM022C1H5R6DA03#					±0.1pF	GRM0222C1H4R6BA03#	
#0.1pF GRM0222C1H4R7BA03# #0.25pF GRM0222C1H4R8WA03# #0.1pF GRM022C1H4R8WA03# #0.1pF GRM022C1H4R8BA03# #0.1pF GRM022C1H4R9WA03# #0.1pF GRM022C1H4R9WA03# #0.1pF GRM022C1H4R9WA03# #0.1pF GRM022C1H4R9WA03# #0.25pF GRM022C1H4R9A03# #0.25pF GRM022C1H4R9A03# #0.25pF GRM022C1H5R0WA03# #0.25pF GRM022C1H5R0WA03# #0.1pF GRM022C1H5R0WA03# #0.1pF GRM022C1H5R1WA03# #0.25pF GRM022C1H5R1WA03# #0.25pF GRM022C1H5R1DA03# #0.25pF GRM022C1H5R1DA03# #0.1pF GRM022C1H5R2WA03# #0.1pF GRM022C1H5R2WA03# #0.25pF GRM022C1H5R2WA03# #0.25pF GRM022C1H5R2WA03# #0.25pF GRM022C1H5R2DA03# #0.1pF GRM022C1H5R3WA03# #0.1pF GRM022C1H5R3WA03# #0.1pF GRM022C1H5R3DA03# #0.1pF GRM022C1H5R3DA03# #0.1pF GRM022C1H5R3DA03# #0.25pF GRM022C1H5R4WA03# #0.25pF GRM022C1H5R4WA03# #0.25pF GRM022C1H5R4WA03# #0.25pF GRM022C1H5R4DA03# #0.25pF GRM022C1H5R5WA03# #0.25pF GRM022C1H5R5WA03# #0.25pF GRM022C1H5R5WA03# #0.25pF GRM022C1H5R5WA03# #0.25pF GRM022C1H5R5WA03# #0.25pF GRM022C1H5R5DA03# #0.25pF GRM022C1H5R5DA03# #0.25pF GRM022C1H5R5DA03# #0.25pF GRM022C1H5R5DA03# #0.25pF GRM022C1H5R5DA03# #0.25pF GRM022C1H5R5DA03# #0.25pF GRM022C1H5R6WA03#					±0.25pF	GRM0222C1H4R6CA03#	
#0.25pF GRM0222C1H4R7CA03# #0.05pF GRM022C1H4R8WA03# #0.1pF GRM022C1H4R8BA03# #0.25pF GRM022C1H4R9WA03# #0.1pF GRM022C1H4R9WA03# #0.1pF GRM022C1H4R9WA03# #0.1pF GRM022C1H4R9A03# #0.1pF GRM022C1H4R9CA03# #0.1pF GRM022C1H5R0WA03# #0.1pF GRM022C1H5R0WA03# #0.1pF GRM022C1H5R0WA03# #0.1pF GRM022C1H5R0WA03# #0.1pF GRM022C1H5R1BA03# #0.25pF GRM022C1H5R1BA03# #0.5pF GRM022C1H5R1BA03# #0.5pF GRM022C1H5R1BA03# #0.05pF GRM022C1H5R2WA03# #0.1pF GRM022C1H5R2WA03# #0.1pF GRM022C1H5R2WA03# #0.25pF GRM022C1H5R2WA03# #0.1pF GRM022C1H5R2WA03# #0.1pF GRM022C1H5R3WA03# #0.1pF GRM022C1H5R3WA03# #0.1pF GRM022C1H5R3WA03# #0.1pF GRM022C1H5R3WA03# #0.1pF GRM022C1H5R3WA03# #0.5pF GRM022C1H5R3WA03# #0.5pF GRM022C1H5R3WA03# #0.5pF GRM022C1H5R4WA03# #0.5pF GRM022C1H5R4WA03# #0.5pF GRM022C1H5R4WA03# #0.1pF GRM022C1H5R5WA03# #0.1pF GRM022C1H5R5WA03# #0.25pF GRM022C1H5R6WA03#				4.7pF	±0.05pF	GRM0222C1H4R7WA03#	
4.8pF					±0.1pF	GRM0222C1H4R7BA03#	
#0.1pF GRM0222C1H4R8BA03# ±0.25pF GRM0222C1H4R9WA03# ±0.1pF GRM022C1H4R9BA03# ±0.25pF GRM022C1H4R9BA03# ±0.25pF GRM022C1H4R9BA03# ±0.25pF GRM022C1H5R0WA03# ±0.25pF GRM022C1H5R0WA03# ±0.25pF GRM022C1H5R0WA03# ±0.25pF GRM022C1H5R0WA03# ±0.25pF GRM022C1H5R1WA03# ±0.25pF GRM022C1H5R1BA03# ±0.25pF GRM022C1H5R1DA03# ±0.25pF GRM022C1H5R1DA03# ±0.25pF GRM022C1H5R2WA03# ±0.25pF GRM022C1H5R2WA03# ±0.25pF GRM022C1H5R2WA03# ±0.25pF GRM022C1H5R2WA03# ±0.25pF GRM022C1H5R3WA03# ±0.25pF GRM022C1H5R3WA03# ±0.25pF GRM022C1H5R3WA03# ±0.25pF GRM022C1H5R3WA03# ±0.25pF GRM022C1H5R3WA03# ±0.25pF GRM022C1H5R4WA03# ±0.25pF GRM022C1H5R4WA03# ±0.25pF GRM022C1H5R5BA03# ±0.25p					±0.25pF	GRM0222C1H4R7CA03#	
#0.25pF GRM0222C1H4R8CA03# #0.05pF GRM0222C1H4R9MA03# #0.25pF GRM0222C1H4R9MA03# #0.25pF GRM0222C1H5R0WA03# #0.25pF GRM0222C1H5R0WA03# #0.25pF GRM0222C1H5R0WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R2WA03# #0.5pF GRM0222C1H5R2WA03# #0.5pF GRM0222C1H5R3WA03# #0.5pF GRM0222C1H5R4WA03# #0.5pF GRM0222C1H5R4WA03# #0.5pF GRM0222C1H5R4WA03# #0.5pF GRM0222C1H5R4WA03# #0.5pF GRM0222C1H5R4WA03# #0.5pF GRM022C1H5R5WA03# #0.5pF GRM0222C1H5R5WA03# #0.5pF GRM022C1H5R5WA03# #0.5pF GRM0222C1H5R5WA03#				4.8pF	±0.05pF	GRM0222C1H4R8WA03#	
4.9pF ±0.05pF GRM0222C1H4R9WA03# ±0.1pF GRM0222C1H4R9BA03# ±0.25pF GRM0222C1H5R0WA03# ±0.25pF GRM0222C1H5R0WA03# ±0.25pF GRM0222C1H5R0WA03# ±0.25pF GRM0222C1H5R1WA03# ±0.5pF GRM0222C1H5R1WA03# ±0.5pF GRM0222C1H5R1BA03# ±0.5pF GRM0222C1H5R1BA03# ±0.5pF GRM0222C1H5R2WA03# ±0.5pF GRM0222C1H5R2WA03# ±0.05pF GRM0222C1H5R3WA03# ±0.05pF GRM0222C1H5R4WA03# ±0.05pF GRM0222C1H5R4WA03# ±0.05pF GRM0222C1H5R4WA03# ±0.05pF GRM0222C1H5R4WA03# ±0.05pF GRM0222C1H5R5BA03# ±0.05pF GRM0222C1H5R5WA03# ±0.05pF GRM0222C1H5R5WA03# ±0.05pF GRM0222C1H5R5BA03# ±0.05pF GRM0222C1H5R					±0.1pF	GRM0222C1H4R8BA03#	
#0.1pF GRM0222C1H4R9BA03# #0.25pF GRM0222C1H5R0WA03# #0.1pF GRM0222C1H5R0BA03# #0.25pF GRM0222C1H5R0BA03# #0.25pF GRM0222C1H5R0BA03# #0.25pF GRM022C1H5R1BA03# #0.25pF GRM022C1H5R1BA03# #0.25pF GRM022C1H5R1BA03# #0.25pF GRM022C1H5R1DA03# #0.5pF GRM022C1H5R1DA03# #0.1pF GRM022C1H5R2BA03# #0.1pF GRM022C1H5R2BA03# #0.25pF GRM022C1H5R2BA03# #0.25pF GRM022C1H5R2BA03# #0.25pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R4BA03# #0.25pF GRM022C1H5R4BA03# #0.25pF GRM022C1H5R4BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R6BA03# #0.25pF GRM022C1H5R7BA03# #0.25pF GRM022C1H5R7BA03# #0.25pF GRM022C1H5R7BA03# #0.25pF GRM022C1H5R7BA03#					±0.25pF	GRM0222C1H4R8CA03#	
#0.25pF GRM0222C1H4R9CA03# #0.05pF GRM0222C1H5R0BA03# #0.25pF GRM0222C1H5R0BA03# #0.25pF GRM0222C1H5R0CA03# #0.1pF GRM0222C1H5R1BA03# #0.25pF GRM022C1H5R1BA03# #0.25pF GRM022C1H5R1BA03# #0.5pF GRM022C1H5R1DA03# #0.5pF GRM022C1H5R1DA03# #0.1pF GRM022C1H5R2BA03# #0.1pF GRM022C1H5R2BA03# #0.25pF GRM022C1H5R2BA03# #0.5pF GRM022C1H5R2BA03# #0.5pF GRM022C1H5R2BA03# #0.5pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R3BA03# #0.5pF GRM022C1H5R3BA03# #0.25pF GRM022C1H5R4BA03# #0.25pF GRM022C1H5R4BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R5BA03# #0.25pF GRM022C1H5R6BA03# #0.25pF GRM022C1H5R6BA03# #0.25pF GRM022C1H5R6BA03# #0.25pF GRM022C1H5R6BA03# #0.25pF GRM022C1H5R6BA03# #0.5pF GRM022C1H5R6BA03# #0.5pF GRM022C1H5R6BA03# #0.5pF GRM022C1H5R6BA03# #0.5pF GRM022C1H5R6BA03# #0.5pF GRM022C1H5R7BA03#				4.9pF	±0.05pF	GRM0222C1H4R9WA03#	
5.0pF ±0.05pF GRM0222C1H5R0WA03# ±0.25pF GRM0222C1H5R0EA03# ±0.25pF GRM0222C1H5R0EA03# ±0.25pF GRM022C1H5R1BA03# ±0.25pF GRM022C1H5R1BA03# ±0.25pF GRM022C1H5R1DA03# ±0.5pF GRM022C1H5R1DA03# ±0.1pF GRM022C1H5R2BA03# ±0.25pF GRM022C1H5R2BA03# ±0.25pF GRM022C1H5R2DA03# ±0.1pF GRM022C1H5R3BA03# ±0.1pF GRM022C1H5R3BA03# ±0.1pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R3DA03# ±0.5pF GRM022C1H5R4DA03# ±0.5pF GRM022C1H5R4DA03# ±0.5pF GRM022C1H5R4DA03# ±0.5pF GRM022C1H5R5DA03# ±0.5pF GRM022C1H5R5DA03# ±0.5pF GRM022C1H5R5DA03# ±0.5pF GRM022C1H5R5DA03# ±0.5pF GRM022C1H5R5DA03# ±0.5pF GRM022C1H5R6DA03# ±0.5pF GRM022C1H5R7BA03#							
#0.1pF GRM0222C1H5R0BA03# #0.25pF GRM0222C1H5R1WA03# #0.1pF GRM0222C1H5R1WA03# #0.25pF GRM0222C1H5R1BA03# #0.25pF GRM0222C1H5R1DA03# #0.5pF GRM0222C1H5R1DA03# #0.1pF GRM0222C1H5R2WA03# #0.1pF GRM0222C1H5R2WA03# #0.25pF GRM0222C1H5R2BA03# #0.25pF GRM0222C1H5R2DA03# #0.5pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R3WA03# #0.1pF GRM0222C1H5R3DA03# #0.25pF GRM0222C1H5R3DA03# #0.25pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R4WA03# #0.1pF GRM0222C1H5R4WA03# #0.1pF GRM0222C1H5R4DA03# #0.25pF GRM0222C1H5R4DA03# #0.25pF GRM0222C1H5R5BA03# #0.25pF GRM0222C1H5R5BA03# #0.25pF GRM0222C1H5R5BA03# #0.25pF GRM0222C1H5R5DA03# #0.25pF GRM0222C1H5R6BA03# #0.25pF GRM022C1H5R6BA03# #0.25pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03#					±0.25pF	GRM0222C1H4R9CA03#	
#0.25pF GRM0222C1H5R0CA03# #0.05pF GRM0222C1H5R1WA03# #0.1pF GRM0222C1H5R1BA03# #0.25pF GRM0222C1H5R1CA03# #0.5pF GRM0222C1H5R1DA03# #0.1pF GRM0222C1H5R2WA03# #0.1pF GRM0222C1H5R2WA03# #0.25pF GRM0222C1H5R2DA03# #0.25pF GRM0222C1H5R2DA03# #0.1pF GRM0222C1H5R3WA03# #0.1pF GRM0222C1H5R3WA03# #0.1pF GRM0222C1H5R3WA03# #0.25pF GRM0222C1H5R3DA03# #0.25pF GRM0222C1H5R3DA03# #0.25pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R4WA03# #0.1pF GRM0222C1H5R4WA03# #0.25pF GRM0222C1H5R4DA03# #0.25pF GRM0222C1H5R5WA03# #0.5pF GRM0222C1H5R5WA03# #0.5pF GRM0222C1H5R5DA03# #0.5pF GRM0222C1H5R5DA03# #0.5pF GRM0222C1H5R5DA03# #0.5pF GRM0222C1H5R5DA03# #0.5pF GRM0222C1H5R6WA03# #0.1pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6DA03# #0.25pF GRM0222C1H5R6DA03# #0.25pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R7WA03# #0.5pF GRM0222C1H5R7BA03#				5.0pF	_ ·		
### 5.1pF #### 5.1pF #### 5.1pF ##### 5.2pF #### 5.2pF ####################################							
#0.1pF GRM0222C1H5R1BA03# #0.25pF GRM0222C1H5R1CA03# #0.5pF GRM0222C1H5R1DA03# #0.1pF GRM0222C1H5R2BA03# #0.25pF GRM0222C1H5R2BA03# #0.25pF GRM0222C1H5R2BA03# #0.5pF GRM0222C1H5R2DA03# #0.1pF GRM0222C1H5R3WA03# #0.1pF GRM0222C1H5R3WA03# #0.25pF GRM0222C1H5R3BA03# #0.25pF GRM0222C1H5R3DA03# #0.5pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R4WA03# #0.1pF GRM0222C1H5R4DA03# #0.25pF GRM0222C1H5R4DA03# #0.5pF GRM0222C1H5R5BA03# #0.5pF GRM0222C1H5R5BA03# #0.5pF GRM0222C1H5R5BA03# #0.5pF GRM0222C1H5R5BA03# #0.5pF GRM0222C1H5R5BA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R7WA03# #0.1pF GRM0222C1H5R7WA03# #0.1pF GRM0222C1H5R7WA03# #0.5pF GRM0222C1H5R7WA03#					· ·		
#0.25pF GRM0222C1H5R1CA03# #0.5pF GRM0222C1H5R1DA03# #0.1pF GRM0222C1H5R2WA03# #0.1pF GRM0222C1H5R2BA03# #0.25pF GRM0222C1H5R2CA03# #0.5pF GRM0222C1H5R2DA03# #0.1pF GRM0222C1H5R3WA03# #0.1pF GRM0222C1H5R3WA03# #0.25pF GRM0222C1H5R3BA03# #0.25pF GRM0222C1H5R3DA03# #0.25pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R4WA03# #0.25pF GRM0222C1H5R4DA03# #0.25pF GRM0222C1H5R4DA03# #0.5pF GRM0222C1H5R4DA03# #0.5pF GRM0222C1H5R5DA03# #0.5pF GRM0222C1H5R5DA03# #0.5pF GRM0222C1H5R5DA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6BA03# #0.25pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R7WA03# #0.1pF GRM0222C1H5R7WA03# #0.1pF GRM0222C1H5R7DA03#				5.1pF	-		
#0.5pF GRM0222C1H5R1DA03# #0.1pF GRM0222C1H5R2BA03# #0.25pF GRM0222C1H5R2CA03# #0.5pF GRM0222C1H5R2DA03# #0.5pF GRM0222C1H5R2DA03# #0.1pF GRM0222C1H5R3BA03# #0.1pF GRM0222C1H5R3BA03# #0.25pF GRM0222C1H5R3DA03# #0.5pF GRM0222C1H5R3DA03# #0.5pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R4WA03# #0.1pF GRM0222C1H5R4DA03# #0.25pF GRM0222C1H5R4DA03# #0.5pF GRM0222C1H5R4DA03# #0.5pF GRM0222C1H5R4DA03# #0.5pF GRM0222C1H5R5BA03# #0.25pF GRM0222C1H5R5BA03# #0.25pF GRM0222C1H5R5DA03# #0.25pF GRM0222C1H5R5DA03# #0.25pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6BA03# #0.1pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R7BA03# #0.5pF GRM0222C1H5R7BA03# #0.5pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03#							
5.2pF					<u> </u>		
±0.1pF GRM0222C1H5R2BA03# ±0.25pF GRM0222C1H5R2CA03# ±0.5pF GRM0222C1H5R2DA03# ±0.1pF GRM0222C1H5R3BA03# ±0.25pF GRM0222C1H5R3BA03# ±0.25pF GRM0222C1H5R3DA03# ±0.5pF GRM0222C1H5R3DA03# ±0.1pF GRM0222C1H5R4WA03# ±0.1pF GRM0222C1H5R4BA03# ±0.25pF GRM0222C1H5R4CA03# ±0.5pF GRM0222C1H5R4DA03# ±0.5pF GRM0222C1H5R5BA03# ±0.1pF GRM0222C1H5R5BA03# ±0.1pF GRM0222C1H5R5BA03# ±0.1pF GRM0222C1H5R5BA03# ±0.25pF GRM0222C1H5R5DA03# ±0.5pF GRM0222C1H5R6BA03# ±0.5pF GRM0222C1H5R6BA03# ±0.5pF GRM0222C1H5R6BA03# ±0.5pF GRM0222C1H5R6BA03# ±0.1pF GRM0222C1H5R6BA03# ±0.5pF GRM0222C1H5R6BA03# ±0.5pF GRM0222C1H5R6BA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R7BA03# ±0.5pF GRM0222C1H5R7BA03# ±0.5pF GRM0222C1H5R7BA03# ±0.1pF GRM0222C1H5R7BA03#				F 25F			
#0.25pF GRM0222C1H5R2CA03# #0.5pF GRM0222C1H5R3WA03# #0.1pF GRM0222C1H5R3BA03# #0.25pF GRM0222C1H5R3CA03# #0.5pF GRM0222C1H5R3CA03# #0.5pF GRM0222C1H5R3DA03# #0.1pF GRM0222C1H5R4WA03# #0.1pF GRM0222C1H5R4WA03# #0.1pF GRM0222C1H5R4CA03# #0.5pF GRM0222C1H5R4CA03# #0.5pF GRM0222C1H5R4DA03# #0.5pF GRM0222C1H5R5BA03# #0.1pF GRM0222C1H5R5BA03# #0.1pF GRM0222C1H5R5CA03# #0.5pF GRM0222C1H5R5CA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6WA03# #0.5pF GRM0222C1H5R6BA03# #0.5pF GRM022C1H5R6BA03# #0.1pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R6DA03# #0.5pF GRM0222C1H5R7BA03# #0.5pF GRM0222C1H5R7BA03# #0.5pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03# #0.1pF GRM0222C1H5R7BA03#				5.2pr			
±0.5pF GRM0222C1H5R2DA03# ±0.05pF GRM0222C1H5R3WA03# ±0.1pF GRM0222C1H5R3BA03# ±0.25pF GRM0222C1H5R3DA03# ±0.5pF GRM0222C1H5R3DA03# ±0.1pF GRM0222C1H5R4WA03# ±0.1pF GRM0222C1H5R4DA03# ±0.25pF GRM0222C1H5R4DA03# ±0.5pF GRM0222C1H5R4DA03# ±0.5pF GRM0222C1H5R5WA03# ±0.1pF GRM0222C1H5R5WA03# ±0.1pF GRM0222C1H5R5WA03# ±0.1pF GRM0222C1H5R5DA03# ±0.25pF GRM0222C1H5R5DA03# ±0.5pF GRM0222C1H5R6WA03# ±0.5pF GRM0222C1H5R6WA03# ±0.5pF GRM0222C1H5R6WA03# ±0.5pF GRM0222C1H5R6BA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R7BA03# ±0.5pF GRM0222C1H5R7BA03# ±0.5pF GRM0222C1H5R7BA03# ±0.5pF GRM0222C1H5R7BA03# ±0.5pF GRM0222C1H5R7BA03#							
5.3pF ±0.05pF GRM0222C1H5R3WA03# ±0.1pF GRM0222C1H5R3BA03# ±0.5pF GRM0222C1H5R3DA03# ±0.5pF GRM0222C1H5R3DA03# ±0.5pF GRM0222C1H5R4WA03# ±0.1pF GRM0222C1H5R4BA03# ±0.25pF GRM0222C1H5R4DA03# ±0.5pF GRM0222C1H5R4DA03# ±0.5pF GRM0222C1H5R5BA03# ±0.1pF GRM0222C1H5R5BA03# ±0.25pF GRM0222C1H5R5DA03# ±0.25pF GRM0222C1H5R5DA03# ±0.5pF GRM0222C1H5R6WA03# ±0.5pF GRM0222C1H5R6WA03# ±0.5pF GRM0222C1H5R6BA03# ±0.1pF GRM0222C1H5R6BA03# ±0.25pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R7BA03# ±0.5pF GRM0222C1H5R7BA03# ±0.5pF GRM0222C1H5R7BA03# ±0.1pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7BA03#							
±0.1pF GRM0222C1H5R3BA03# ±0.25pF GRM0222C1H5R3DA03# ±0.5pF GRM0222C1H5R3DA03# ±0.1pF GRM0222C1H5R4WA03# ±0.1pF GRM0222C1H5R4BA03# ±0.25pF GRM0222C1H5R4DA03# ±0.5pF GRM0222C1H5R4DA03# ±0.1pF GRM0222C1H5R5WA03# ±0.1pF GRM0222C1H5R5BA03# ±0.25pF GRM0222C1H5R5DA03# ±0.5pF GRM0222C1H5R5DA03# ±0.5pF GRM0222C1H5R6WA03# ±0.5pF GRM0222C1H5R6WA03# ±0.1pF GRM0222C1H5R6WA03# ±0.1pF GRM0222C1H5R6BA03# ±0.25pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R7WA03# ±0.5pF GRM0222C1H5R7WA03# ±0.1pF GRM0222C1H5R7BA03# ±0.1pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7BA03#				5.3nF	-		
±0.25pF GRM0222C1H5R3CA03# ±0.5pF GRM0222C1H5R3DA03# 5.4pF ±0.05pF GRM0222C1H5R4WA03# ±0.1pF GRM0222C1H5R4CA03# ±0.5pF GRM0222C1H5R4CA03# ±0.5pF GRM0222C1H5R4DA03# ±0.1pF GRM0222C1H5R5BA03# ±0.1pF GRM0222C1H5R5CA03# ±0.5pF GRM0222C1H5R5CA03# ±0.5pF GRM0222C1H5R5DA03# ±0.5pF GRM0222C1H5R6WA03# ±0.1pF GRM0222C1H5R6WA03# ±0.1pF GRM0222C1H5R6BA03# ±0.1pF GRM0222C1H5R6DA03# ±0.1pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R7WA03# ±0.5pF GRM0222C1H5R7WA03# ±0.1pF GRM0222C1H5R7BA03# ±0.1pF GRM0222C1H5R7BA03#				3.5pi	-		
±0.5pF GRM0222C1H5R3DA03# 5.4pF ±0.05pF GRM0222C1H5R4WA03# ±0.1pF GRM0222C1H5R4BA03# ±0.25pF GRM0222C1H5R4CA03# ±0.5pF GRM0222C1H5R4DA03# ±0.1pF GRM0222C1H5R5WA03# ±0.1pF GRM0222C1H5R5BA03# ±0.25pF GRM0222C1H5R5CA03# ±0.5pF GRM0222C1H5R5DA03# ±0.1pF GRM0222C1H5R6WA03# ±0.1pF GRM0222C1H5R6BA03# ±0.1pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R7WA03# ±0.5pF GRM0222C1H5R7WA03# ±0.5pF GRM0222C1H5R7BA03#							
5.4pF							
±0.1pF GRM0222C1H5R4BA03# ±0.25pF GRM0222C1H5R4CA03# ±0.5pF GRM0222C1H5R4DA03# 5.5pF ±0.05pF GRM0222C1H5R5WA03# ±0.1pF GRM0222C1H5R5BA03# ±0.25pF GRM0222C1H5R5DA03# ±0.5pF GRM0222C1H5R5DA03# ±0.1pF GRM0222C1H5R6WA03# ±0.1pF GRM0222C1H5R6BA03# ±0.25pF GRM0222C1H5R6CA03# ±0.25pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R7WA03# ±0.1pF GRM0222C1H5R7WA03# ±0.1pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7BA03#				5 4pF			
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±0.1pF GRM0222C1H5R5BA03# ±0.25pF GRM0222C1H5R5CA03# ±0.5pF GRM0222C1H5R5DA03# 5.6pF ±0.05pF GRM0222C1H5R6WA03# ±0.1pF GRM0222C1H5R6BA03# ±0.25pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6DA03# ±0.5pF GRM0222C1H5R7WA03# ±0.1pF GRM0222C1H5R7WA03# ±0.25pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7CA03#				5.5pF			
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5.6pF ±0.05pF GRM0222C1H5R6WA03# ±0.1pF GRM0222C1H5R6BA03# ±0.25pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6DA03# 5.7pF ±0.05pF GRM0222C1H5R7WA03# ±0.1pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7CA03#							
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±0.25pF GRM0222C1H5R6CA03# ±0.5pF GRM0222C1H5R6DA03# 5.7pF ±0.05pF GRM0222C1H5R7WA03# ±0.1pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7CA03#				-			
±0.5pF GRM0222C1H5R6DA03# 5.7pF ±0.05pF GRM0222C1H5R7WA03# ±0.1pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7CA03#							
±0.1pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7CA03#							
±0.1pF GRM0222C1H5R7BA03# ±0.25pF GRM0222C1H5R7CA03#				5.7pF			
				-			
±0.5pF GRM0222C1H5R7DA03 #							
					±0.5pF	GRM0222C1H5R7DA03#	

(→ 0.4×	0.2mm	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	50Vdc	СН	5.8pF	±0.05pF	GRM0222C1H5R8WA03#
				±0.1pF	GRM0222C1H5R8BA03#
				±0.25pF	GRM0222C1H5R8CA03#
				±0.5pF	GRM0222C1H5R8DA03#
			5.9pF	±0.05pF	GRM0222C1H5R9WA03#
				±0.1pF	GRM0222C1H5R9BA03#
				±0.25pF	GRM0222C1H5R9CA03#
				±0.5pF	GRM0222C1H5R9DA03#
			6.0pF	±0.05pF	GRM0222C1H6R0WA03#
				±0.1pF	GRM0222C1H6R0BA03#
				±0.25pF	GRM0222C1H6R0CA03#
				±0.5pF	GRM0222C1H6R0DA03#
			6.1pF	±0.05pF	GRM0222C1H6R1WA03#
				±0.1pF	GRM0222C1H6R1BA03#
				±0.25pF	GRM0222C1H6R1CA03#
				±0.5pF	GRM0222C1H6R1DA03#
			6.2pF	±0.05pF	GRM0222C1H6R2WA03#
				±0.1pF	GRM0222C1H6R2BA03#
				±0.25pF	GRM0222C1H6R2CA03#
				±0.5pF	GRM0222C1H6R2DA03#
			6.3pF	±0.05pF	GRM0222C1H6R3WA03#
				±0.1pF	GRM0222C1H6R3BA03#
				±0.25pF	GRM0222C1H6R3CA03#
				±0.5pF	GRM0222C1H6R3DA03#
			6.4pF	±0.05pF	GRM0222C1H6R4WA03#
				±0.1pF	GRM0222C1H6R4BA03#
				±0.25pF	GRM0222C1H6R4CA03#
				±0.5pF	GRM0222C1H6R4DA03#
			6.5pF	±0.05pF	GRM0222C1H6R5WA03#
				±0.1pF	GRM0222C1H6R5BA03#
				±0.25pF	GRM0222C1H6R5CA03#
				±0.5pF	GRM0222C1H6R5DA03#
			6.6pF	±0.05pF	GRM0222C1H6R6WA03#
				±0.1pF	GRM0222C1H6R6BA03#
				±0.25pF	GRM0222C1H6R6CA03#
				±0.5pF	GRM0222C1H6R6DA03#
			6.7pF	±0.05pF	GRM0222C1H6R7WA03#
				±0.1pF	GRM0222C1H6R7BA03#
				±0.25pF	GRM0222C1H6R7CA03#
				±0.5pF	GRM0222C1H6R7DA03#
			6.8pF	±0.05pF	GRM0222C1H6R8WA03#
				±0.1pF	GRM0222C1H6R8BA03#
				±0.25pF	GRM0222C1H6R8CA03#
				±0.5pF	GRM0222C1H6R8DA03#
			6.9pF	±0.05pF	GRM0222C1H6R9WA03#
				±0.1pF	GRM0222C1H6R9BA03#
				±0.25pF	GRM0222C1H6R9CA03#
				±0.5pF	GRM0222C1H6R9DA03#
			7.0pF	· ·	GRM0222C1H7R0WA03#
					GRM0222C1H7R0BA03#
					GRM0222C1H7R0CA03#
				<u> </u>	GRM0222C1H7R0DA03#
			7.1pF		GRM0222C1H7R1WA03#
			155	±0.1pF	GRM0222C1H7R1BA03#
		I	<u> </u>	·	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		
0.22mm	50Vdc	СН	7.1pF	±0.25pF	GRM0222C1H7R1CA03#		
				±0.5pF	GRM0222C1H7R1DA03#		
			7.2pF	±0.05pF	GRM0222C1H7R2WA03#		
				±0.1pF	GRM0222C1H7R2BA03#		
				±0.25pF	GRM0222C1H7R2CA03#		
				±0.5pF	GRM0222C1H7R2DA03#		
			7.3pF	±0.05pF	GRM0222C1H7R3WA03#		
				±0.1pF	GRM0222C1H7R3BA03#		
				±0.25pF	GRM0222C1H7R3CA03#		
				±0.5pF	GRM0222C1H7R3DA03#		
			7.4pF	±0.05pF	GRM0222C1H7R4WA03#		
				±0.1pF	GRM0222C1H7R4BA03#		
				±0.25pF	GRM0222C1H7R4CA03#		
				±0.5pF	GRM0222C1H7R4DA03#		
			7.5pF	±0.05pF	GRM0222C1H7R5WA03#		
				±0.1pF	GRM0222C1H7R5BA03#		
				±0.25pF	GRM0222C1H7R5CA03#		
				±0.5pF	GRM0222C1H7R5DA03#		
			7.6pF	±0.05pF	GRM0222C1H7R6WA03#		
				±0.1pF	GRM0222C1H7R6BA03#		
				±0.25pF	GRM0222C1H7R6CA03#		
				±0.5pF	GRM0222C1H7R6DA03#		
			7.7pF	±0.05pF	GRM0222C1H7R7WA03#		
			7.8pF	±0.1pF	GRM0222C1H7R7BA03#		
				±0.25pF	GRM0222C1H7R7CA03#		
				±0.5pF	GRM0222C1H7R7DA03#		
				±0.05pF	GRM0222C1H7R8WA03#		
				±0.1pF	GRM0222C1H7R8BA03#		
				±0.25pF	GRM0222C1H7R8CA03#		
				±0.	±0.5pF	GRM0222C1H7R8DA03#	
				7.9pF	±0.05pF	GRM0222C1H7R9WA03#	
				±0.1pF	GRM0222C1H7R9BA03#		
				±0.25pF	GRM0222C1H7R9CA03#		
				±0.5pF	GRM0222C1H7R9DA03#		
			8.0pF	±0.05pF	GRM0222C1H8R0WA03#		
				±0.1pF	GRM0222C1H8R0BA03#		
				±0.25pF	GRM0222C1H8R0CA03#		
				±0.5pF	GRM0222C1H8R0DA03#		
			8.1pF	±0.05pF	GRM0222C1H8R1WA03#		
				±0.1pF	GRM0222C1H8R1BA03#		
				±0.25pF	GRM0222C1H8R1CA03#		
				±0.5pF	GRM0222C1H8R1DA03#		
			8.2pF	±0.05pF	GRM0222C1H8R2WA03#		
				±0.1pF	GRM0222C1H8R2BA03#		
				±0.25pF	GRM0222C1H8R2CA03#		
				±0.5pF	GRM0222C1H8R2DA03#		
			8.3pF	±0.05pF	GRM0222C1H8R3WA03#		
				±0.1pF	GRM0222C1H8R3BA03#		
				±0.25pF	GRM0222C1H8R3CA03#		
				±0.5pF	GRM0222C1H8R3DA03#		
			8.4pF	±0.05pF	GRM0222C1H8R4WA03#		
					GRM0222C1H8R4BA03#		
				-	GRM0222C1H8R4CA03#		
				±0.5pF	GRM0222C1H8R4DA03#		

(→ 0.4>	0.2mm	1)	•		•	
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	50Vdc	СН	8.5pF	±0.05pF	GRM0222C1H8R5WA03#	
				±0.1pF	GRM0222C1H8R5BA03#	
				±0.25pF	GRM0222C1H8R5CA03#	
				±0.5pF	GRM0222C1H8R5DA03#	
			8.6pF	±0.05pF	GRM0222C1H8R6WA03#	
				±0.1pF	GRM0222C1H8R6BA03#	
				±0.25pF	GRM0222C1H8R6CA03#	
				±0.5pF	GRM0222C1H8R6DA03#	
			8.7pF	±0.05pF	GRM0222C1H8R7WA03#	
				±0.1pF	GRM0222C1H8R7BA03#	
				±0.25pF	GRM0222C1H8R7CA03#	
				±0.5pF	GRM0222C1H8R7DA03#	
			8.8pF	±0.05pF	GRM0222C1H8R8WA03#	
				±0.1pF	GRM0222C1H8R8BA03#	
				±0.25pF	GRM0222C1H8R8CA03#	
				±0.5pF	GRM0222C1H8R8DA03#	
			8.9pF	±0.05pF	GRM0222C1H8R9WA03#	
				±0.1pF	GRM0222C1H8R9BA03#	
				±0.25pF	GRM0222C1H8R9CA03#	
				±0.5pF	GRM0222C1H8R9DA03#	
			9.0pF	±0.05pF	GRM0222C1H9R0WA03#	
				±0.1pF	GRM0222C1H9R0BA03#	
				±0.25pF	GRM0222C1H9R0CA03#	
				±0.5pF	GRM0222C1H9R0DA03#	
			9.1pF	±0.05pF	GRM0222C1H9R1WA03#	
				±0.1pF	GRM0222C1H9R1BA03#	
				· ·	GRM0222C1H9R1CA03#	
					GRM0222C1H9R1DA03#	
			9.2pF	· ·	GRM0222C1H9R2WA03#	
					GRM0222C1H9R2BA03#	
					GRM0222C1H9R2CA03#	
			0.2.5		GRM0222C1H9R2DA03#	
			9.3pF		GRM0222C1H9R3WA03#	
				<u> </u>	GRM0222C1H9R3BA03#	
				-	GRM0222C1H9R3CA03#	
			0.455		GRM0222C1H9R3DA03#	
			9.4pF	<u> </u>	GRM0222C1H9R4WA03# GRM0222C1H9R4BA03#	
				<u> </u>		
					GRM0222C1H9R4CA03#	
			9.5pF		GRM0222C1H9R4DA03# GRM0222C1H9R5WA03#	
			5.5pr	· ·	GRM0222C1H9R5BA03#	
					GRM0222C1H9R5CA03#	
				<u> </u>	GRM0222C1H9R5DA03#	
			9.6pF	-	GRM0222C1H9R6WA03#	
			3.0pi	<u> </u>	GRM0222C1H9R6BA03#	
				<u> </u>	GRM0222C1H9R6CA03#	
				· ·	GRM0222C1H9R6DA03#	
			9.7pF	-	GRM0222C1H9R7WA03#	
			J., P.		GRM0222C1H9R7BA03#	
					GRM0222C1H9R7CA03#	
					GRM0222C1H9R7DA03#	
			9.8pF		GRM0222C1H9R8WA03#	
				-	GRM0222C1H9R8BA03#	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.22mm	50Vdc	СН	9.8pF	±0.25pF	GRM0222C1H9R8CA03#	
				±0.5pF	GRM0222C1H9R8DA03#	
			9.9pF	±0.05pF	GRM0222C1H9R9WA03#	
				±0.1pF	GRM0222C1H9R9BA03#	
				±0.25pF	GRM0222C1H9R9CA03#	
				±0.5pF	GRM0222C1H9R9DA03#	
			10pF	±2%	GRM0222C1H100GA03#	
				±5%	GRM0222C1H100JA03#	
			11pF	±2%	GRM0222C1H110GA03#	
				±5%	GRM0222C1H110JA03#	
			12pF	±2%	GRM0222C1H120GA03#	
				±5%	GRM0222C1H120JA03#	
			13pF	±2%	GRM0222C1H130GA03#	
				±5%	GRM0222C1H130JA03#	
			15pF	±2%	GRM0222C1H150GA03#	
				±5%	GRM0222C1H150JA03#	
			16pF	±2%	GRM0222C1H160GA03#	
				±5%	GRM0222C1H160JA03#	
			17pF	±5%	GRM0222C1H170JA02#	
			18pF	±5%	GRM0222C1H180JA02#	
			19pF	±5%	GRM0222C1H190JA02#	
			20pF	±5%	GRM0222C1H200JA02#	
			21pF	±5%	GRM0222C1H210JA02#	
			22pF	±5%	GRM0222C1H220JA02#	
			23pF	±5%	GRM0222C1H230JA02#	
			24pF	±5%	GRM0222C1H240JA02#	
			27pF	±5%	GRM0222C1H270JA02#	
			30pF	±5%	GRM0222C1H300JA02#	
			33pF	±5%	GRM0222C1H330JA02#	
			36pF	±5%	GRM0222C1H360JA02#	
			39pF	±5%	GRM0222C1H390JA02#	
			43pF	±5%	GRM0222C1H430JA02#	
			47pF	±5%	GRM0222C1H470JA02#	
			51pF	±5%	GRM0222C1H510JA02#	
			56pF	±5%	GRM0222C1H560JA02#	
			62pF	±5%	GRM0222C1H620JA02#	
			68pF	±5%	GRM0222C1H680JA02#	
			75pF	±5%	GRM0222C1H750JA02#	
			82pF	±5%	GRM0222C1H820JA02#	
			91pF	±5%	GRM0222C1H910JA02#	
			100pF	±5%	GRM0222C1H101JA02#	
	25Vdc	COG	120pF	±5%	GRM0225C1E121JA02#	
			150pF	±5%	GRM0225C1E151JA02#	
			180pF	±5%	GRM0225C1E181JA02#	
			220pF	±5%	GRM0225C1E221JA02#	
		СН	120pF	±5%	GRM0222C1E121JA02#	
			150pF	±5%	GRM0222C1E151JA02#	
			180pF	±5%	GRM0222C1E181JA02#	
			220pF	±5%	GRM0222C1E221JA02#	
ŀ	16Vdc	COG	120pF	±5%	GRM0225C1C121JA02#	
			150pF	±5%	GRM0225C1C151JA02#	
			180pF	±5%	GRM0225C1C181JA02#	
			220pF	±5%	GRM0225C1C221JA02#	
		СН	120pF	±5%	GRM0222C1C121JA02#	
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GRM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	16Vdc	СН	150pF	±5%	GRM0222C1C151JA02#	
			180pF	±5%	GRM0222C1C181JA02#	
			220pF	±5%	GRM0222C1C221JA02#	

6×0.	.3mm				
T nax.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
3mm	100Vdc	COG	0.10pF	±0.05pF	GRM0335C2AR10WA01#
			0.20pF	±0.05pF	GRM0335C2AR20WA01#
				±0.1pF	GRM0335C2AR20BA01#
			0.30pF	±0.05pF	GRM0335C2AR30WA01#
				±0.1pF	GRM0335C2AR30BA01#
			0.40pF	±0.05pF	GRM0335C2AR40WA01#
				±0.1pF	GRM0335C2AR40BA01#
			0.50pF	±0.05pF	GRM0335C2AR50WA01#
				±0.1pF	GRM0335C2AR50BA01#
			0.60pF	±0.05pF	GRM0335C2AR60WA01#
				±0.1pF	GRM0335C2AR60BA01#
			0.70pF	-	GRM0335C2AR70WA01#
			·	±0.1pF	GRM0335C2AR70BA01#
			0.80pF	· ·	GRM0335C2AR80WA01#
				-	GRM0335C2AR80BA01#
			0.90pF	· ·	GRM0335C2AR90WA01#
			о.5 ор.	-	GRM0335C2AR90BA01#
			1.0pF	· ·	GRM0335C2A1R0WA01#
			1.0рі		GRM0335C2A1R0BA01#
				±0.1pF	
			11-5	-	GRM0335C2A1R0CA01#
			1.1pF		GRM0335C2A1R1WA01#
				<u> </u>	GRM0335C2A1R1BA01#
					GRM0335C2A1R1CA01#
			1.2pF	-	GRM0335C2A1R2WA01#
				<u> </u>	GRM0335C2A1R2BA01#
				±0.25pF	GRM0335C2A1R2CA01#
			1.3pF	±0.05pF	GRM0335C2A1R3WA01#
				±0.1pF	GRM0335C2A1R3BA01#
				±0.25pF	GRM0335C2A1R3CA01#
			1.4pF	±0.05pF	GRM0335C2A1R4WA01#
				±0.1pF	GRM0335C2A1R4BA01#
				±0.25pF	GRM0335C2A1R4CA01#
			1.5pF	±0.05pF	GRM0335C2A1R5WA01#
				±0.1pF	GRM0335C2A1R5BA01#
				±0.25pF	GRM0335C2A1R5CA01#
			1.6pF	±0.05pF	GRM0335C2A1R6WA01#
				±0.1pF	GRM0335C2A1R6BA01#
				±0.25pF	GRM0335C2A1R6CA01#
			1.7pF	· ·	GRM0335C2A1R7WA01#
				-	GRM0335C2A1R7BA01#
					GRM0335C2A1R7CA01#
			1.8pF		GRM0335C2A1R8WA01#
			1.0μΓ		
				· ·	GRM0335C2A1R8BA01#
			10-5	-	GRM0335C2A1R8CA01#
			1.9pF	±U.U5pF	GRM0335C2A1R9WA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.33mm	100Vdc	COG	1.9pF	±0.25pF	GRM0335C2A1R9CA01#	
			2.0pF		GRM0335C2A2R0WA01#	_
				±0.1pF	GRM0335C2A2R0BA01#	_
				±0.25pF	GRM0335C2A2R0CA01#	_
			2.1pF	±0.05pF	GRM0335C2A2R1WA01#	_
				±0.1pF	GRM0335C2A2R1BA01#	_
				±0.25pF	GRM0335C2A2R1CA01#	_
			2.2pF	±0.05pF	GRM0335C2A2R2WA01#	_
				±0.1pF	GRM0335C2A2R2BA01#	_
				±0.25pF	GRM0335C2A2R2CA01#	
			2.3pF	±0.05pF	GRM0335C2A2R3WA01#	_
				±0.1pF	GRM0335C2A2R3BA01#	_
				±0.25pF	GRM0335C2A2R3CA01#	
			2.4pF	±0.05pF	GRM0335C2A2R4WA01#	
				±0.1pF	GRM0335C2A2R4BA01#	
				±0.25pF	GRM0335C2A2R4CA01#	
			2.5pF	±0.05pF	GRM0335C2A2R5WA01#	
			•	±0.1pF	GRM0335C2A2R5BA01#	_
				±0.25pF	GRM0335C2A2R5CA01#	_
			2.6pF	±0.05pF	GRM0335C2A2R6WA01#	_
			•	-	GRM0335C2A2R6BA01#	_
				±0.25pF	GRM0335C2A2R6CA01#	_
			2.7pF	±0.05pF	GRM0335C2A2R7WA01#	_
			·	·	GRM0335C2A2R7BA01#	_
				-	GRM0335C2A2R7CA01#	_
			2.8pF		GRM0335C2A2R8WA01#	_
			•	±0.1pF	GRM0335C2A2R8BA01#	_
					GRM0335C2A2R8CA01#	_
			2.9pF		GRM0335C2A2R9WA01#	_
			•	±0.1pF	GRM0335C2A2R9BA01#	_
				±0.25pF	GRM0335C2A2R9CA01#	_
			3.0pF	±0.05pF	GRM0335C2A3R0WA01#	_
				±0.1pF	GRM0335C2A3R0BA01#	_
				±0.25pF	GRM0335C2A3R0CA01#	_
			3.1pF	±0.05pF	GRM0335C2A3R1WA01#	_
				±0.1pF	GRM0335C2A3R1BA01#	_
				±0.25pF	GRM0335C2A3R1CA01#	_
			3.2pF	±0.05pF	GRM0335C2A3R2WA01#	_
			•		GRM0335C2A3R2BA01#	_
					GRM0335C2A3R2CA01#	_
			3.3pF		GRM0335C2A3R3WA01#	
			•	· ·	GRM0335C2A3R3BA01#	_
				±0.25pF	GRM0335C2A3R3CA01#	
			3.4pF		GRM0335C2A3R4WA01#	_
			•	-	GRM0335C2A3R4BA01#	_
				<u> </u>	GRM0335C2A3R4CA01#	_
			3.5pF	-	GRM0335C2A3R5WA01#	
			•	· ·	GRM0335C2A3R5BA01#	
				-	GRM0335C2A3R5CA01#	_
			3.6pF	-	GRM0335C2A3R6WA01#	
			•		GRM0335C2A3R6BA01#	
					GRM0335C2A3R6CA01#	
			3.7pF	•	GRM0335C2A3R7WA01#	
			1***	±0.1pF	GRM0335C2A3R7BA01#	—
	<u> </u>		Dart num		cates the package specification co	

(→ 0.6	0.3mm،	1)	-		·
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	100Vdc	COG	3.7pF	±0.25pF	GRM0335C2A3R7CA01#
			3.8pF	±0.05pF	GRM0335C2A3R8WA01#
				±0.1pF	GRM0335C2A3R8BA01#
				±0.25pF	GRM0335C2A3R8CA01#
			3.9pF	±0.05pF	GRM0335C2A3R9WA01#
				±0.1pF	GRM0335C2A3R9BA01#
				±0.25pF	GRM0335C2A3R9CA01#
			4.0pF	±0.05pF	GRM0335C2A4R0WA01#
				±0.1pF	GRM0335C2A4R0BA01#
				±0.25pF	GRM0335C2A4R0CA01#
			4.1pF	±0.05pF	GRM0335C2A4R1WA01#
				±0.1pF	GRM0335C2A4R1BA01#
				±0.25pF	GRM0335C2A4R1CA01#
			4.2pF	±0.05pF	GRM0335C2A4R2WA01#
				±0.1pF	GRM0335C2A4R2BA01#
				±0.25pF	GRM0335C2A4R2CA01#
			4.3pF	±0.05pF	GRM0335C2A4R3WA01#
				±0.1pF	GRM0335C2A4R3BA01#
				±0.25pF	GRM0335C2A4R3CA01#
			4.4pF	±0.05pF	GRM0335C2A4R4WA01#
				±0.1pF	GRM0335C2A4R4BA01#
				±0.25pF	GRM0335C2A4R4CA01#
			4.5pF	±0.05pF	GRM0335C2A4R5WA01#
				±0.1pF	GRM0335C2A4R5BA01#
				±0.25pF	GRM0335C2A4R5CA01#
			4.6pF	±0.05pF	GRM0335C2A4R6WA01#
				<u> </u>	GRM0335C2A4R6BA01#
					GRM0335C2A4R6CA01#
			4.7pF	· ·	GRM0335C2A4R7WA01#
				· ·	GRM0335C2A4R7BA01#
			40.5		GRM0335C2A4R7CA01#
			4.8pF	<u> </u>	GRM0335C2A4R8WA01#
					GRM0335C2A4R8BA01#
			40-5		GRM0335C2A4R8CA01#
			4.9pF	<u> </u>	GRM0335C2A4R9WA01#
				-	GRM0335C2A4R9BA01#
			F On F	· ·	GRM0335C2A4R9CA01#
			5.0pF	<u> </u>	GRM0335C2A5R0WA01# GRM0335C2A5R0BA01#
				<u> </u>	
			E 1nE		GRM0335C2A5R0CA01#
			5.1pF	<u> </u>	GRM0335C2A5R1WA01# GRM0335C2A5R1BA01#
				<u> </u>	GRM0335C2A5R1CA01#
				<u> </u>	GRM0335C2A5R1DA01#
			5.2pF		GRM0335C2A5R2WA01#
			3.2pi	<u> </u>	GRM0335C2A5R2BA01#
				<u> </u>	GRM0335C2A5R2CA01#
				· ·	GRM0335C2A5R2DA01#
			5.3pF		GRM0335C2A5R3WA01#
			J.5pi		GRM0335C2A5R3BA01#
				-	GRM0335C2A5R3CA01#
				<u> </u>	GRM0335C2A5R3DA01#
			5.4pF	· ·	GRM0335C2A5R4WA01#
				· ·	GRM0335C2A5R4BA01#
				L .	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	100Vdc	COG	5.4pF	±0.25pF	GRM0335C2A5R4CA01#	
				±0.5pF	GRM0335C2A5R4DA01#	
			5.5pF	±0.05pF	GRM0335C2A5R5WA01#	
				±0.1pF	GRM0335C2A5R5BA01#	
				±0.25pF	GRM0335C2A5R5CA01#	
				±0.5pF	GRM0335C2A5R5DA01#	
			5.6pF	±0.05pF	GRM0335C2A5R6WA01#	
				±0.1pF	GRM0335C2A5R6BA01#	
				±0.25pF	GRM0335C2A5R6CA01#	
				±0.5pF	GRM0335C2A5R6DA01#	
			5.7pF	±0.05pF	GRM0335C2A5R7WA01#	
				±0.1pF	GRM0335C2A5R7BA01#	
				±0.25pF	GRM0335C2A5R7CA01#	
				±0.5pF	GRM0335C2A5R7DA01#	
			5.8pF	±0.05pF	GRM0335C2A5R8WA01#	
				±0.1pF	GRM0335C2A5R8BA01#	
				±0.25pF	GRM0335C2A5R8CA01#	
				±0.5pF	GRM0335C2A5R8DA01#	
			5.9pF	±0.05pF	GRM0335C2A5R9WA01#	
				±0.1pF	GRM0335C2A5R9BA01#	
				±0.25pF	GRM0335C2A5R9CA01#	
				±0.5pF	GRM0335C2A5R9DA01#	
			6.0pF	±0.05pF	GRM0335C2A6R0WA01#	
				±0.1pF	GRM0335C2A6R0BA01#	
				· ·	GRM0335C2A6R0CA01#	
				±0.5pF	GRM0335C2A6R0DA01#	
			6.1pF		GRM0335C2A6R1WA01#	
				±0.1pF	GRM0335C2A6R1BA01#	
				· ·	GRM0335C2A6R1CA01#	
			6.255	±0.5pF	GRM0335C2A6R1DA01#	
			6.2pF	±0.05pr	GRM0335C2A6R2WA01# GRM0335C2A6R2BA01#	
				±0.25pF	GRM0335C2A6R2CA01# GRM0335C2A6R2DA01#	
			6.3pF		GRM0335C2A6R3WA01#	
			0.5рі	±0.1pF		
				-	GRM0335C2A6R3CA01#	
				±0.5pF	GRM0335C2A6R3DA01#	
			6.4pF		GRM0335C2A6R4WA01#	
			о. грг	·	GRM0335C2A6R4BA01#	
					GRM0335C2A6R4CA01#	
				±0.5pF		
			6.5pF		GRM0335C2A6R5WA01#	
				±0.1pF		
				±0.25pF	GRM0335C2A6R5CA01#	
				±0.5pF	GRM0335C2A6R5DA01#	
			6.6pF	±0.05pF	GRM0335C2A6R6WA01#	
				±0.1pF	GRM0335C2A6R6BA01#	
				±0.25pF	GRM0335C2A6R6CA01#	
				±0.5pF	GRM0335C2A6R6DA01#	
			6.7pF	±0.05pF	GRM0335C2A6R7WA01#	
				±0.1pF	GRM0335C2A6R7BA01#	
				±0.25pF	GRM0335C2A6R7CA01#	
				±0.5pF	GRM0335C2A6R7DA01#	

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(→ 0.6×0.3mm)

Total	(→ 0.6	0.3mm،)			
#0.1pF GRM0335C2A6R8BA01# #0.2pF GRM0335C2A6R8DA01# #0.1pF GRM0335C2A6R8DA01# #0.2pF GRM0335C2A6R9DA01# #0.2pF GRM0335C2A6R9DA01# #0.2pF GRM0335C2A6R9DA01# #0.2pF GRM0335C2A6R9DA01# #0.2pF GRM0335C2A7R0DA01# #0.2pF GRM0335C2A7R0DA01# #0.2pF GRM0335C2A7R0DA01# #0.2pF GRM0335C2A7R0DA01# #0.2pF GRM0335C2A7R0DA01# #0.2pF GRM0335C2A7R1DA01# #0.2pF GRM0335C2A7R1DA01# #0.2pF GRM0335C2A7R1DA01# #0.2pF GRM0335C2A7R1DA01# #0.2pF GRM0335C2A7R1DA01# #0.2pF GRM0335C2A7R2DA01# #0.2pF GRM0335C2A7R2DA01# #0.2pF GRM0335C2A7R2DA01# #0.2pF GRM0335C2A7R2DA01# #0.2pF GRM0335C2A7R2DA01# #0.2pF GRM0335C2A7R3DA01# #0.2pF	T max.			Cap.	Tol.	Part Number
### 10.25pF GRM0335C2A6R8CA01# ### 10.5pF GRM0335C2A6R9BA01# ### 10.25pF GRM0335C2A6R9BA01# ### 10.25pF GRM0335C2A6R9BA01# ### 10.5pF GRM0335C2A6R9BA01# ### 10.5pF GRM0335C2A6R9BA01# ### 10.5pF GRM0335C2A7R0BA01# ### 10.25pF GRM0335C2A7R0BA01# ### 10.25pF GRM0335C2A7R0BA01# ### 10.25pF GRM0335C2A7R0BA01# ### 10.25pF GRM0335C2A7R1WA01# ### 10.25pF GRM0335C2A7R2WA01# ### 10.25pF GRM0335C2A7R2WA01# ### 10.25pF GRM0335C2A7R2WA01# ### 10.25pF GRM0335C2A7R3BA01# ### 10.25pF GRM0335C2A7R3BA01# ### 10.25pF GRM0335C2A7R3BA01# ### 10.25pF GRM0335C2A7R3BA01# ### 10.25pF GRM0335C2A7R4WA01# ### 10.25pF GRM0335C2A7R4DA01# ### 10.25pF GRM0335C2A7R4DA01# ### 10.25pF GRM0335C2A7R5DA01# ### 10.25pF GRM0335C2A7R6DA01# ### 10.25pF GRM0335C2A7R8DA01# ### 10.25pF GRM033SC2ARRWA01# ### 10.25pF GRM033SC2ARRBA01# ### 10.25pF GRM033SC2ARRWA01# #### 10.25pF GRM033SC	0.33mm	100Vdc	COG	6.8pF	±0.05pF	GRM0335C2A6R8WA01#
#0.5pF #0.05pF #0.05pF					±0.1pF	GRM0335C2A6R8BA01#
6.9pF					±0.25pF	GRM0335C2A6R8CA01#
#0.1pF #0.25pF #0.70pF #0.05pF #0.05pF					±0.5pF	GRM0335C2A6R8DA01#
### 10.25pF GRM0335C2AFR9CA01# ### 10.5pF GRM0335C2A7R0MA01# ### 10.25pF GRM0335C2A7R1MA01# ### 10.25pF GRM0335C2A7R1MA01# ### 10.25pF GRM0335C2A7R2MA01# ### 10.25pF GRM0335C2A7R2MA01# ### 10.25pF GRM0335C2A7R2MA01# ### 10.25pF GRM0335C2A7R2MA01# ### 10.25pF GRM0335C2A7R3MA01# ### 10.25pF GRM0335C2A7R5MA01# #				6.9pF	±0.05pF	GRM0335C2A6R9WA01#
#0.5pF #0.05pF #0.05pF					±0.1pF	GRM0335C2A6R9BA01#
7.0pf					±0.25pF	GRM0335C2A6R9CA01#
#0.1pF GRM0335C2A7R0BA01#					±0.5pF	GRM0335C2A6R9DA01#
#0.25pF GRM0335C2A7R0A01# #0.5pF GRM0335C2A7R1WA01# #0.25pF GRM0335C2A7R1WA01# #0.25pF GRM0335C2A7R1WA01# #0.5pF GRM0335C2A7R1WA01# #0.5pF GRM0335C2A7R2WA01# #0.5pF GRM0335C2A7R3WA01# #0.5pF GRM0335C2A7R3WA01# #0.5pF GRM0335C2A7R3WA01# #0.5pF GRM0335C2A7R3WA01# #0.5pF GRM0335C2A7R3WA01# #0.5pF GRM0335C2A7R3WA01# #0.5pF GRM0335C2A7R4WA01# #0.5pF GRM0335C2A7R4WA01# #0.5pF GRM0335C2A7R4WA01# #0.5pF GRM0335C2A7R4WA01# #0.5pF GRM0335C2A7R5WA01# #0.5pF GRM0335C2A7R5WA01# #0.5pF GRM0335C2A7R5WA01# #0.5pF GRM0335C2A7R5WA01# #0.5pF GRM0335C2A7R5WA01# #0.5pF GRM0335C2A7R5WA01# #0.5pF GRM0335C2A7R6A01# #0.5pF GRM0335C2A7R6A01# #0.5pF GRM0335C2A7R6A01# #0.5pF GRM0335C2A7R5WA01# #0.5pF GRM0335C2AR6WA01# #0				7.0pF	±0.05pF	GRM0335C2A7R0WA01#
#0.5pF GRM0335C2A7R0DA01# #0.5pF GRM0335C2A7R1WA01# #0.5pF GRM0335C2A7R1DA01# #0.5pF GRM0335C2A7R1DA01# #0.5pF GRM0335C2A7R2DA01# #0.5pF GRM0335C2A7R2DA01# #0.5pF GRM0335C2A7R2DA01# #0.5pF GRM0335C2A7R2DA01# #0.5pF GRM0335C2A7R2DA01# #0.5pF GRM0335C2A7R2DA01# #0.5pF GRM0335C2A7R3DA01# #0.5pF GRM0335C2AR3DA001# #0.5pF GRM0335C2AR					±0.1pF	GRM0335C2A7R0BA01#
7.1pF ±0.05pF GRM0335C2A7R1WA01# ±0.1pF GRM0335C2A7R1DA01# ±0.5pF GRM0335C2A7R1DA01# ±0.5pF GRM0335C2A7R2WA01# ±0.1pF GRM0335C2A7R2WA01# ±0.25pF GRM0335C2A7R2WA01# ±0.5pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.5pF GRM0335C2A7R4WA01# ±0.5pF GRM0335C2A7R4WA01# ±0.5pF GRM0335C2A7R4WA01# ±0.5pF GRM0335C2A7R4WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2ARSOWA01# ±0.5pF GR					±0.25pF	GRM0335C2A7R0CA01#
7.1pF					±0.5pF	GRM0335C2A7R0DA01#
#0.1pF GRM0335C2A7R1BA01# ±0.25pF GRM0335C2A7R1DA01# ±0.5pF GRM0335C2A7R2MA01# ±0.25pF GRM0335C2A7R2MA01# ±0.25pF GRM0335C2A7R2MA01# ±0.25pF GRM0335C2A7R2MA01# ±0.25pF GRM0335C2A7R3MA01# ±0.5pF GRM0335C2A7R3MA01# ±0.5pF GRM0335C2A7R3MA01# ±0.5pF GRM0335C2A7R3MA01# ±0.5pF GRM0335C2A7R3MA01# ±0.5pF GRM0335C2A7R3MA01# ±0.5pF GRM0335C2A7R4MA01# ±0.5pF GRM0335C2A7R4MA01# ±0.5pF GRM0335C2A7R4MA01# ±0.5pF GRM0335C2A7R5MA01# ±0.5pF GRM0335C2AR5MA01# ±0.5pF GRM0335C2AR5MA01# ±0.5pF GRM0335C2AR5MA0A01# ±0.5pF GRM0335C2AR5MA0A01# ±0.5pF GRM0335C2AR5MA0A01# ±0.5pF GRM0335C2AR5MA0A01# ±0.5pF GRM0335C2AR5MA0A01#				7.1pF		GRM0335C2A7R1WA01#
#0.25pF GRM0335C2A7R1CA01# #0.5pF GRM0335C2A7R2MA01# #0.1pF GRM0335C2A7R2MA01# #0.25pF GRM0335C2A7R2MA01# #0.25pF GRM0335C2A7R2MA01# #0.25pF GRM0335C2A7R3MA01# #0.25pF GRM0335C2A7R3MA01# #0.25pF GRM0335C2A7R3MA01# #0.5pF GRM0335C2A7R3MA01# #0.5pF GRM0335C2A7R3MA01# #0.5pF GRM0335C2A7R3MA01# #0.5pF GRM0335C2A7R3MA01# #0.5pF GRM0335C2A7R3MA01# #0.5pF GRM0335C2A7R4MA01# #0.5pF GRM0335C2A7R4MA01# #0.25pF GRM0335C2A7R4MA01# #0.25pF GRM0335C2A7R5MA01# #0.25pF GRM0335C2A7R5MA01# #0.5pF GRM0335C2A7R8MA01# #0.5pF GRM0335C2A7R9MA01# #0.5pF GRM0335C2AR8MA01# #0.5				·		
#0.5pF GRM0335C2A7R1DA01# ±0.1pF GRM0335C2A7R2BA01# ±0.25pF GRM0335C2A7R2BA01# ±0.5pF GRM0335C2A7R3WA01# ±0.5pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.5pF GRM0335C2A7R3WA01# ±0.5pF GRM0335C2A7R4WA01# ±0.5pF GRM0335C2A7R4WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.25pF GRM0335C2A7R6WA01# ±0.25pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R7WA01# ±0.5pF GRM0335C2A7R7WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R9WA01# ±0.5pF GRM0335C2AR0MA01# ±0.5pF					· ·	
7.2pF ±0.05pF GRM0335C2A7R2WA01# ±0.1pF GRM0335C2A7R2DA01# ±0.5pF GRM0335C2A7R3WA01# ±0.5pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.25pF GRM0335C2A7R3WA01# ±0.1pF GRM0335C2A7R3WA01# ±0.1pF GRM0335C2A7R3WA01# ±0.1pF GRM0335C2A7R3WA01# ±0.1pF GRM0335C2A7R5WA01# ±0.1pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.5pF GRM0335C2A7R5WA01# ±0.1pF GRM0335C2A7R5WA01# ±0.1pF GRM0335C2A7R6WA01# ±0.25pF GRM0335C2A7R6WA01# ±0.25pF GRM0335C2A7R6WA01# ±0.25pF GRM0335C2A7R6WA01# ±0.25pF GRM0335C2A7R6WA01# ±0.25pF GRM0335C2A7R6WA01# ±0.25pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R6WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R8WA01# ±0.5pF GRM0335C2A7R9WA01# ±0.5pF GRM0335C2AR8WA01# ±0.5pF GRM0335					· ·	
#0.1pF GRM0335C2A7R2BA01# ±0.25pF GRM0335C2A7R2CA01# ±0.5pF GRM0335C2A7R3MA01# ±0.1pF GRM0335C2A7R3MA01# ±0.25pF GRM0335C2A7R3MA01# ±0.5pF GRM0335C2A7R3MA01# ±0.5pF GRM0335C2A7R3MA01# ±0.25pF GRM0335C2A7R4MA01# ±0.25pF GRM0335C2A7R4MA01# ±0.25pF GRM0335C2A7R4MA01# ±0.25pF GRM0335C2A7R4MA01# ±0.25pF GRM0335C2A7R4MA01# ±0.25pF GRM0335C2A7R5MA01# ±0.25pF GRM0335C2A7R5MA01# ±0.25pF GRM0335C2A7R5MA01# ±0.25pF GRM0335C2A7R5MA01# ±0.25pF GRM0335C2A7R6MA01# ±0.25pF GRM0335C2A7R6MA01# ±0.25pF GRM0335C2A7R6MA01# ±0.25pF GRM0335C2A7R6MA01# ±0.25pF GRM0335C2A7R5MA01# ±0.25pF GRM0335C2A7R5MA01# ±0.25pF GRM0335C2A7R5MA01# ±0.25pF GRM0335C2A7R8MA01# ±0.25pF GRM0335C2A7R8MA01# ±0.25pF GRM0335C2A7R9MA01# ±0.25pF GRM0335C2AR9MA01# ±0.25pF GRM0335C2AR9MA01# ±0.25pF GRM0335C2AR0MA01# ±0.25p				7.2nF		
#0.25pF GRM0335C2A7R2CA01# #0.5pF GRM0335C2A7R2MA01# #0.1pF GRM0335C2A7R3MA01# #0.1pF GRM0335C2A7R3MA01# #0.1pF GRM0335C2A7R3MA01# #0.1pF GRM0335C2A7R3MA01# #0.1pF GRM0335C2A7R3MA01# #0.1pF GRM0335C2A7R3MA01# #0.1pF GRM0335C2A7R4MA01# #0.25pF GRM0335C2A7R4MA01# #0.25pF GRM0335C2A7R4MA01# #0.1pF GRM0335C2A7R4MA01# #0.5pF GRM0335C2A7R4MA01# #0.1pF GRM0335C2A7R5MA01# #0.1pF GRM0335C2A7R5MA01# #0.25pF GRM0335C2A7R5MA01# #0.1pF GRM0335C2A7R5MA01# #0.1pF GRM0335C2A7R5MA01# #0.25pF GRM0335C2A7R6MA01# #0.25pF GRM0335C2A7R6MA01# #0.25pF GRM0335C2A7R6MA01# #0.25pF GRM0335C2A7R6MA01# #0.25pF GRM0335C2A7R6MA01# #0.25pF GRM0335C2A7R7MA01# #0.25pF GRM0335C2A7R7MA01# #0.25pF GRM0335C2A7R7MA01# #0.25pF GRM0335C2A7R7MA01# #0.25pF GRM0335C2A7R7MA01# #0.25pF GRM0335C2A7R8MA01# #0.25pF GRM0335C2A7R8MA01# #0.25pF GRM0335C2A7R8MA01# #0.25pF GRM0335C2A7R8MA01# #0.25pF GRM0335C2A7R9MA01# #0.25pF GRM0335C2A7R9BA01# #0.25pF GRM0335C2A7R9MA01#				7.291		
#0.5pF GRM0335C2A7R2DA01# 7.3pF						
7.3pF						
#0.1pF GRM0335C2A7R3BA01# #0.25pF GRM0335C2A7R3CA01# #0.05pF GRM0335C2A7R4WA01# #0.1pF GRM0335C2A7R4BA01# #0.25pF GRM0335C2A7R4BA01# #0.25pF GRM0335C2A7R4CA01# #0.5pF GRM0335C2A7R4DA01# #0.5pF GRM0335C2A7R4DA01# #0.1pF GRM0335C2A7R5WA01# #0.1pF GRM0335C2A7R5WA01# #0.1pF GRM0335C2A7R5BA01# #0.5pF GRM0335C2A7R5DA01# #0.5pF GRM0335C2A7R5DA01# #0.1pF GRM0335C2A7R6WA01# #0.1pF GRM0335C2A7R6WA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7DA01# #0.25pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8DA01# #0.1pF GRM0335C2A7R8DA01# #0.1pF GRM0335C2A7R8DA01# #0.1pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0BA01#				7 255	· ·	
±0.25pF GRM0335C2A7R3CA01# ±0.5pF GRM0335C2A7R3DA01# ±0.1pF GRM0335C2A7R4WA01# ±0.1pF GRM0335C2A7R4BA01# ±0.25pF GRM0335C2A7R4CA01# ±0.5pF GRM0335C2A7R4DA01# ** ** ** ** ** ** ** ** **				7.3pr		
#0.5pF GRM0335C2A7R3DA01# 7.4pF					-	
7.4pF ±0.05pF GRM0335C2A7R4WA01# ±0.1pF GRM0335C2A7R4DA01# ±0.25pF GRM0335C2A7R4DA01# ±0.5pF GRM0335C2A7R4DA01# ±0.1pF GRM0335C2A7R5BA01# ±0.25pF GRM0335C2A7R5DA01# ±0.5pF GRM0335C2A7R5DA01# ±0.1pF GRM0335C2A7R5DA01# ±0.1pF GRM0335C2A7R6DA01# ±0.5pF GRM0335C2A7R6DA01# ±0.5pF GRM0335C2A7R6DA01# ±0.5pF GRM0335C2A7R6DA01# ±0.1pF GRM0335C2A7R6DA01# ±0.1pF GRM0335C2A7R7DA01# ±0.5pF GRM0335C2A7R7DA01# ±0.5pF GRM0335C2A7R7DA01# ±0.5pF GRM0335C2A7R7DA01# ±0.5pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8BA01# ±0.5pF GRM0335C2A7R8DA01# ±0.5pF GRM0335C2A7R8DA01# ±0.5pF GRM0335C2A7R9WA01# ±0.5pF GRM0335C2A7R9WA01# ±0.5pF GRM0335C2A7R9WA01# ±0.5pF GRM0335C2A7R9BA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.5pF GRM0335C2A8R0WA01# ±0.5pF GRM0335C2A8R0WA01# ±0.5pF GRM0335C2A8R0WA01# ±0.5pF GRM0335C2A8R0BA01#						
#0.1pF GRM0335C2A7R4BA01# #0.25pF GRM0335C2A7R4DA01# #0.5pF GRM0335C2A7R4DA01# #0.5pF GRM0335C2A7R5WA01# #0.1pF GRM0335C2A7R5BA01# #0.25pF GRM0335C2A7R5DA01# #0.5pF GRM0335C2A7R5DA01# #0.1pF GRM0335C2A7R6WA01# #0.1pF GRM0335C2A7R6BA01# #0.5pF GRM0335C2A7R6BA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7WA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R8WA01# #0.5pF GRM0335C2A7R8WA01# #0.5pF GRM0335C2A7R8WA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9BA01# #0.5pF GRM0335C2A7R9BA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2AR80WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0BA01#					· ·	
#0.25pF GRM0335C2A7R4CA01# #0.5pF GRM0335C2A7R4DA01# #0.5pF GRM0335C2A7R5WA01# #0.1pF GRM0335C2A7R5BA01# #0.25pF GRM0335C2A7R5DA01# #0.5pF GRM0335C2A7R5DA01# #0.1pF GRM0335C2A7R6WA01# #0.1pF GRM0335C2A7R6WA01# #0.1pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9BA01# #0.5pF GRM0335C2A7R9BA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2AR80WA01# #0.5pF GRM0335C2AR80WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0BA01# #0.5pF GRM0335C2A8R0BA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01#				7.4pF		
#0.5pF GRM0335C2A7R4DA01# #0.1pF GRM0335C2A7R5WA01# #0.25pF GRM0335C2A7R5CA01# #0.5pF GRM0335C2A7R5CA01# #0.5pF GRM0335C2A7R5DA01# #0.1pF GRM0335C2A7R6WA01# #0.1pF GRM0335C2A7R6DA01# #0.25pF GRM0335C2A7R6DA01# #0.25pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7WA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8BA01# #0.25pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01#					-	
7.5pF ±0.05pF GRM0335C2A7R5WA01# ±0.1pF GRM0335C2A7R5BA01# ±0.5pF GRM0335C2A7R5CA01# ±0.5pF GRM0335C2A7R5DA01# ** ** ** ** ** ** ** ** ** ** ** ** *						
#0.1pF GRM0335C2A7R5BA01# #0.25pF GRM0335C2A7R5CA01# #0.5pF GRM0335C2A7R5DA01# #0.1pF GRM0335C2A7R6WA01# #0.1pF GRM0335C2A7R6BA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7WA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R7DA01# #0.1pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8BA01# #0.1pF GRM0335C2A7R8BA01# #0.25pF GRM0335C2A7R8DA01# #0.1pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R9DA01# #0.1pF GRM0335C2A7R9DA01# #0.1pF GRM0335C2A7R9DA01# #0.1pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0MA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01#					· ·	
#0.25pF GRM0335C2A7R5CA01# #0.5pF GRM0335C2A7R5DA01# 7.6pF #0.05pF GRM0335C2A7R6WA01# #0.1pF GRM0335C2A7R6BA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.5pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7WA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8WA01# #0.25pF GRM0335C2A7R8WA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0BA01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01#				7.5pF	±0.05pF	GRM0335C2A7R5WA01#
# ±0.5pF GRM0335C2A7R5DA01# # ±0.1pF GRM0335C2A7R6WA01# # ±0.25pF GRM0335C2A7R6DA01# # ±0.5pF GRM0335C2A7R6DA01# # ±0.5pF GRM0335C2A7R7WA01# # ±0.25pF GRM0335C2A7R7WA01# # ±0.5pF GRM0335C2A7R7DA01# # ±0.5pF GRM0335C2A7R7DA01# # ±0.1pF GRM0335C2A7R7DA01# # ±0.1pF GRM0335C2A7R8WA01# # ±0.1pF GRM0335C2A7R8WA01# # ±0.25pF GRM0335C2A7R8WA01# # ±0.5pF GRM0335C2A7R8DA01# # ±0.5pF GRM0335C2A7R9WA01# # ±0.5pF GRM0335C2A7R9WA01# # ±0.1pF GRM0335C2A7R9WA01# # ±0.25pF GRM0335C2A7R9DA01# # ±0.5pF GRM0335C2A7R9DA01# # ±0.5pF GRM0335C2A7R9DA01# # ±0.5pF GRM0335C2A8R0WA01# # ±0.5pF GRM0335C2A8R0WA01# # ±0.25pF GRM0335C2A8R0WA01# # ±0.25pF GRM0335C2A8R0WA01# # ±0.5pF GRM0335C2A8R0MA01#					±0.1pF	GRM0335C2A7R5BA01#
7.6pF ±0.05pF GRM0335C2A7R6WA01# ±0.1pF GRM0335C2A7R6BA01# ±0.25pF GRM0335C2A7R6DA01# ±0.5pF GRM0335C2A7R7WA01# ±0.1pF GRM0335C2A7R7WA01# ±0.1pF GRM0335C2A7R7DA01# ±0.5pF GRM0335C2A7R7DA01# ±0.5pF GRM0335C2A7R7DA01# ±0.1pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8DA01# ±0.5pF GRM0335C2A7R8DA01# ±0.5pF GRM0335C2A7R9WA01# ±0.5pF GRM0335C2A7R9WA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.5pF GRM0335C2A8R0WA01# ±0.5pF GRM0335C2A8R0MA01# ±0.5pF GRM0335C2A8R0A01# ±0.5pF GRM0335C2A8R0A01# ±0.5pF GRM0335C2A8R0A01# ±0.5pF GRM0335C2A8R0A01#					±0.25pF	GRM0335C2A7R5CA01#
#0.1pF GRM0335C2A7R6BA01# #0.25pF GRM0335C2A7R6CA01# #0.5pF GRM0335C2A7R6DA01# #0.1pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7BA01# #0.5pF GRM0335C2A7R7CA01# #0.5pF GRM0335C2A7R7DA01# #0.1pF GRM0335C2A7R7DA01# #0.1pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8WA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R9WA01# #0.5pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9BA01# #0.25pF GRM0335C2A7R9CA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0BA01# #0.25pF GRM0335C2A8R0BA01# #0.25pF GRM0335C2A8R0BA01# #0.5pF GRM0335C2A8R0BA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01#					±0.5pF	GRM0335C2A7R5DA01#
#0.25pF GRM0335C2A7R6CA01# #0.5pF GRM0335C2A7R6DA01# 7.7pF #0.05pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7BA01# #0.5pF GRM0335C2A7R7CA01# #0.5pF GRM0335C2A7R7DA01# 7.8pF #0.05pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8WA01# #0.25pF GRM0335C2A7R8CA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9BA01# #0.25pF GRM0335C2A7R9CA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0BA01# #0.5pF GRM0335C2A8R0BA01# #0.25pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A8R0DA01#				7.6pF	±0.05pF	GRM0335C2A7R6WA01#
#0.5pF GRM0335C2A7R6DA01# 7.7pF #0.05pF GRM0335C2A7R7WA01# #0.1pF GRM0335C2A7R7BA01# #0.5pF GRM0335C2A7R7DA01# #0.5pF GRM0335C2A7R7DA01# #0.05pF GRM0335C2A7R8WA01# #0.1pF GRM0335C2A7R8WA01# #0.25pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R8DA01# #0.5pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9WA01# #0.1pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A7R9DA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0WA01# #0.5pF GRM0335C2A8R0MA01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01# #0.5pF GRM0335C2A8R0A01#					±0.1pF	GRM0335C2A7R6BA01#
7.7pF ±0.05pF GRM0335C2A7R7WA01# ±0.1pF GRM0335C2A7R7BA01# ±0.25pF GRM0335C2A7R7CA01# ±0.5pF GRM0335C2A7R7DA01# 7.8pF ±0.05pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8BA01# ±0.25pF GRM0335C2A7R8CA01# ±0.5pF GRM0335C2A7R8DA01# ±0.5pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.1pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0BA01# ±0.5pF GRM0335C2A8R0A01# ±0.5pF GRM0335C2A8R0DA01#					±0.25pF	GRM0335C2A7R6CA01#
±0.1pF GRM0335C2A7R7BA01# ±0.25pF GRM0335C2A7R7CA01# ±0.5pF GRM0335C2A7R7DA01# 7.8pF ±0.05pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8BA01# ±0.25pF GRM0335C2A7R8DA01# ±0.5pF GRM0335C2A7R8DA01# ±0.1pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9BA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.5pF GRM0335C2A8R0BA01# ±0.5pF GRM0335C2A8R0DA01# ±0.5pF GRM0335C2A8R0DA01#					±0.5pF	GRM0335C2A7R6DA01#
±0.25pF GRM0335C2A7R7CA01# ±0.5pF GRM0335C2A7R7DA01# 7.8pF ±0.05pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8BA01# ±0.25pF GRM0335C2A7R8CA01# ±0.5pF GRM0335C2A7R8DA01# 7.9pF ±0.05pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0DA01# ±0.5pF GRM0335C2A8R0DA01#				7.7pF	±0.05pF	GRM0335C2A7R7WA01#
±0.5pF GRM0335C2A7R7DA01# 7.8pF ±0.05pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8BA01# ±0.25pF GRM0335C2A7R8CA01# ±0.5pF GRM0335C2A7R8DA01# ±0.05pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01#					±0.1pF	GRM0335C2A7R7BA01#
7.8pF ±0.05pF GRM0335C2A7R8WA01# ±0.1pF GRM0335C2A7R8BA01# ±0.25pF GRM0335C2A7R8CA01# ±0.5pF GRM0335C2A7R8DA01# 7.9pF ±0.05pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.1pF GRM0335C2A8R0BA01# ±0.5pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01#					±0.25pF	GRM0335C2A7R7CA01#
±0.1pF GRM0335C2A7R8BA01# ±0.25pF GRM0335C2A7R8CA01# ±0.5pF GRM0335C2A7R8DA01# 7.9pF ±0.05pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.1pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01# ±0.5pF GRM0335C2A8R0DA01#					±0.5pF	GRM0335C2A7R7DA01#
±0.25pF GRM0335C2A7R8CA01# ±0.5pF GRM0335C2A7R8DA01# 7.9pF ±0.05pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A7R9DA01# ±0.1pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.1pF GRM0335C2A8R0BA01# ±0.5pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01#				7.8pF	±0.05pF	GRM0335C2A7R8WA01#
±0.5pF GRM0335C2A7R8DA01# 7.9pF ±0.05pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# ±0.05pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01#					±0.1pF	GRM0335C2A7R8BA01#
7.9pF ±0.05pF GRM0335C2A7R9WA01# ±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# ±0.5pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.1pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01#					±0.25pF	GRM0335C2A7R8CA01#
±0.1pF GRM0335C2A7R9BA01# ±0.25pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# 8.0pF ±0.05pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01# ±0.5pF GRM0335C2A8R0DA01#					±0.5pF	GRM0335C2A7R8DA01#
±0.25pF GRM0335C2A7R9CA01# ±0.5pF GRM0335C2A7R9DA01# 8.0pF ±0.05pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01# 8.1pF ±0.05pF GRM0335C2A8R1WA01#				7.9pF	±0.05pF	GRM0335C2A7R9WA01#
±0.5pF GRM0335C2A7R9DA01# 8.0pF ±0.05pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01# ±0.05pF GRM0335C2A8R1WA01#					±0.1pF	GRM0335C2A7R9BA01#
8.0pF ±0.05pF GRM0335C2A8R0WA01# ±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01# 8.1pF ±0.05pF GRM0335C2A8R1WA01#					±0.25pF	GRM0335C2A7R9CA01#
±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01# 8.1pF ±0.05pF GRM0335C2A8R1WA01#					±0.5pF	GRM0335C2A7R9DA01#
±0.1pF GRM0335C2A8R0BA01# ±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01# 8.1pF ±0.05pF GRM0335C2A8R1WA01#				8.0pF	±0.05pF	GRM0335C2A8R0WA01#
±0.25pF GRM0335C2A8R0CA01# ±0.5pF GRM0335C2A8R0DA01# 8.1pF ±0.05pF GRM0335C2A8R1WA01#						
±0.5pF GRM0335C2A8R0DA01# 8.1pF ±0.05pF GRM0335C2A8R1WA01#						
8.1pF ±0.05pF GRM0335C2A8R1WA01#						
				8.1nF		
20.1β. Δ. (2000 ΣΕΛΟ (12 ΕΛΟ 1π)				J.171		

0.33mm 100Vdc COG 8.1pf	T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
8.2pF	0.33mm	100Vdc	COG	8.1pF	±0.25pF	GRM0335C2A8R1CA01#
# 10.1pF GRM0335C2A8R2BA01# ±0.2pF GRM0335C2A8R2DA01# ±0.5pF GRM0335C2A8R3WA01# ±0.1pF GRM0335C2A8R3WA01# ±0.5pF GRM0335C2A8R3BA01# ±0.5pF GRM0335C2A8R3DA01# ±0.5pF GRM0335C2A8R3DA01# ±0.5pF GRM0335C2A8R4WA01# ±0.5pF GRM0335C2A8R4BA01# ±0.5pF GRM0335C2A8R4BA01# ±0.5pF GRM0335C2A8R5BA01# ±0.5pF GRM0335C2A8R5BA01# ±0.5pF GRM0335C2A8R5BA01# ±0.5pF GRM0335C2A8R5DA01# ±0.5pF GRM0335C2A9R0BA01# ±0.5pF GRM0335C2A9R3BA01# ±0.5pF GRM0335C2A9R3BA01# ±0.5pF GRM0335C2A9R3BA01# ±0.5pF GRM0335C2A9R3BA01# ±0.5pF GRM0335C2A9R3BA01# ±0.5					±0.5pF	GRM0335C2A8R1DA01#
#0.5pF GRM0335C2ABR2CA01# #0.5pF GRM0335C2ABR3WA01# #0.1pF GRM0335C2ABR3WA01# #0.2pF GRM0335C2ABR3WA01# #0.5pF GRM0335C2ABR3WA01# #0.5pF GRM0335C2ABR3WA01# #0.5pF GRM0335C2ABR4WA01# #0.5pF GRM0335C2ABR4WA01# #0.5pF GRM0335C2ABR4WA01# #0.5pF GRM0335C2ABR4WA01# #0.5pF GRM0335C2ABR4WA01# #0.5pF GRM0335C2ABR5WA01# #0.5pF GRM0335C2ABRDA01# #0.5pF GRM0335C2ABRBA01# #0.				8.2pF	±0.05pF	GRM0335C2A8R2WA01#
#0.5pF GRM0335C2A8R3WA01# ±0.5pF GRM0335C2A8R5WA01# ±0.5pF GRM0335C2A8R5WA01# ±0.5pF GRM0335C2A8R5WA01# ±0.5pF GRM0335C2A8R5WA01# ±0.5pF GRM0335C2A8R5WA01# ±0.5pF GRM0335C2A8R6WA01# ±0.5pF GRM0335C2A8R6WA01# ±0.5pF GRM0335C2A8R6WA01# ±0.5pF GRM0335C2A8R6WA01# ±0.5pF GRM0335C2A8R6WA01# ±0.5pF GRM0335C2A8R6WA01# ±0.5pF GRM0335C2A8R7WA01# ±0.5pF GRM0335C2A8R7WA01# ±0.5pF GRM0335C2A8R8WA01# ±0.5pF GRM0335C2A8R8WA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A9R0WA01# ±0.5pF GRM0335C2A9R3WA01# ±0.5pF					±0.1pF	GRM0335C2A8R2BA01#
8.3pF ±0.05pF GRM0335C2A8R3WA01# ±0.25pF GRM0335C2A8R3DA01# ±0.5pF GRM0335C2A8R3DA01# ±0.5pF GRM0335C2A8R3DA01# ±0.25pF GRM0335C2A8R4WA01# ±0.25pF GRM0335C2A8R4WA01# ±0.25pF GRM0335C2A8R5WA01# ±0.25pF GRM0335C2A8R5WA01# ±0.5pF GRM0335C2A8R7BA01# ±0.5pF GRM0335C2A8R7BA01# ±0.5pF GRM0335C2A8R7BA01# ±0.5pF GRM0335C2A8R7BA01# ±0.5pF GRM0335C2A8R8WA01# ±0.5pF GRM0335C2A8R8WA01# ±0.5pF GRM0335C2A8R8WA01# ±0.5pF GRM0335C2A8R8WA01# ±0.5pF GRM0335C2A8R8WA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A9R0BA01# ±0.5pF					±0.25pF	GRM0335C2A8R2CA01#
#0.1pF GRM0335C2ABR3CA01# ±0.25pF GRM0335C2ABR3CA01# ±0.5pF GRM0335C2ABR3CA01# ±0.5pF GRM0335C2ABR3CA01# ±0.25pF GRM0335C2ABR3CA01# ±0.25pF GRM0335C2ABR3CA01# ±0.25pF GRM0335C2ABR3CA01# ±0.25pF GRM0335C2ABR3CA01# ±0.25pF GRM0335C2ABR3CA01# ±0.25pF GRM0335C2ABR5CA01# ±0.25pF GRM0335C2ABR7CA01# ±0.25pF GRM0335C2ABR7CA01# ±0.25pF GRM0335C2ABR7CA01# ±0.25pF GRM0335C2ABR7CA01# ±0.25pF GRM0335C2ABR3CA01# ±0.					±0.5pF	GRM0335C2A8R2DA01#
#0.5pF GRM0335C2A8R3CA01# #0.5pF GRM0335C2A8R4CA01# #0.5pF GRM0335C2A8R4CA01# #0.5pF GRM0335C2A8R4CA01# #0.5pF GRM0335C2A8R4CA01# #0.5pF GRM0335C2A8R5CA01# #0.5pF GRM0335C2A8R6CA01# #0.5pF GRM0335C2A8R6CA01# #0.5pF GRM0335C2A8R6CA01# #0.5pF GRM0335C2A8R5CA01# #0.5pF GRM0335C2A8R5CA01# #0.5pF GRM0335C2A8R5CA01# #0.5pF GRM0335C2A8R5CA01# #0.5pF GRM0335C2A8R8CA01# #0.5pF GRM0335C2A8R8CA01# #0.5pF GRM0335C2A8R8CA01# #0.5pF GRM0335C2A8R8CA01# #0.5pF GRM0335C2A8R8CA01# #0.5pF GRM0335C2A8R8CA01# #0.5pF GRM0335C2A8R9A01# #0.5pF GRM0335C2A8R9A01# #0.5pF GRM0335C2A8R9A01# #0.5pF GRM0335C2A8R9A01# #0.5pF GRM0335C2A8R9A01# #0.5pF GRM0335C2A8R9A001# #0.5pF GRM0335C2A9R0A01# #0.5pF GRM0335C2A9R2A001# #0.5pF GRM0335C2A9R2A001# #0.5pF GRM0335C2A9R3A001# #0.5pF GRM0335C2A9R3A001# #0.5pF GRM0335C2A9R3A001# #0.5pF GRM0335C2A9R3A001# #0.5pF GRM0335C2A9R3A001# #0.5pF GRM0335C2A9R3A001# #0.5pF GR				8.3pF	±0.05pF	GRM0335C2A8R3WA01#
#0.5pF GRM0335C2A8R3DA01# #0.1pF GRM0335C2A8R4WA01# #0.1pF GRM0335C2A8R4WA01# #0.25pF GRM0335C2A8R4DA01# #0.1pF GRM0335C2A8R5WA01# #0.1pF GRM0335C2A8R5WA01# #0.1pF GRM0335C2A8R5DA01# #0.1pF GRM0335C2A8R5DA01# #0.1pF GRM0335C2A8R5DA01# #0.1pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R7WA01# #0.1pF GRM0335C2A8R7DA01# #0.5pF GRM0335C2A8R7DA01# #0.1pF GRM0335C2A8R7DA01# #0.5pF GRM0335C2A8R8DA01# #0.1pF GRM0335C2A8R9DA01# #0.1pF GRM0335C2A8R9DA01# #0.1pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A9R0DA01# #0.1pF GRM0335C2A9R0DA01# #0.1pF GRM0335C2A9R0DA01# #0.1pF GRM0335C2A9R1DA01# #0.25pF GRM0335C2A9R1DA01# #0.5pF GRM0335C2A9R3DA01#					±0.1pF	GRM0335C2A8R3BA01#
8.4pF					±0.25pF	GRM0335C2A8R3CA01#
#0.1pF GRM0335C2A8R4DA01# #0.5pF GRM0335C2A8R5DA01# #0.5pF GRM0335C2A8R6WA01# #0.1pF GRM0335C2A8R5DA01# #0.5pF GRM0335C2A8R5DA01# #0.5pF GRM0335C2A8R6WA01# #0.5pF GRM0335C2A8R6WA01# #0.5pF GRM0335C2A8R6WA01# #0.5pF GRM0335C2A8R6WA01# #0.5pF GRM0335C2A8R6DA01# #0.5pF GRM0335C2A8R6DA01# #0.5pF GRM0335C2A8R6DA01# #0.5pF GRM0335C2A8R6DA01# #0.5pF GRM0335C2A8R6DA01# #0.5pF GRM0335C2A8R8DA01# #0.5pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A8R0DA01# #0.5pF GRM0335C2A9R0DA01# #0.5pF GRM0335C2A9R3DA01# #0.5pF GRM0335C2A9					±0.5pF	GRM0335C2A8R3DA01#
#0.25pF GRM0335C2ABR4CA01# #0.5pF GRM0335C2ABR5WA01# #0.1pF GRM0335C2ABR5WA01# #0.25pF GRM0335C2ABR5WA01# #0.5pF GRM0335C2ABR5WA01# #0.1pF GRM0335C2ABR6WA01# #0.1pF GRM0335C2ABR6WA01# #0.1pF GRM0335C2ABR6WA01# #0.5pF GRM0335C2ABR6MA01# #0.5pF GRM0335C2ABR6MA01# #0.5pF GRM0335C2ABR6MA01# #0.1pF GRM0335C2ABR7WA01# #0.5pF GRM0335C2ABR7WA01# #0.1pF GRM0335C2ABR7WA01# #0.1pF GRM0335C2ABR7WA01# #0.1pF GRM0335C2ABR8WA01# #0.1pF GRM0335C2ABR8WA01# #0.1pF GRM0335C2ABR8WA01# #0.1pF GRM0335C2ABR8WA01# #0.1pF GRM0335C2ABR8WA01# #0.1pF GRM0335C2ABR8WA01# #0.5pF GRM0335C2ABR8WA01# #0.5pF GRM0335C2ABR8WA01# #0.5pF GRM0335C2ABR9BA01# #0.5pF GRM0335C2ABR9BA01# #0.5pF GRM0335C2ABR9BA01# #0.5pF GRM0335C2ABR9BA01# #0.1pF GRM0335C2APR0WA01# #0.5pF GRM0335C2APR0WA01#				8.4pF	±0.05pF	GRM0335C2A8R4WA01#
#0.5pF GRM0335C2A8R4DA01# #0.1pF GRM0335C2A8R5BA01# #0.25pF GRM0335C2A8R5BA01# #0.5pF GRM0335C2A8R5BA01# #0.5pF GRM0335C2A8R6BA01# #0.5pF GRM0335C2A8R6BA01# #0.5pF GRM0335C2A8R6BA01# #0.5pF GRM0335C2A8R6BA01# #0.5pF GRM0335C2A8R6BA01# #0.5pF GRM0335C2A8R6BA01# #0.5pF GRM0335C2A8R7BA01# #0.5pF GRM0335C2A8R7BA01# #0.5pF GRM0335C2A8R7BA01# #0.5pF GRM0335C2A8R7BA01# #0.5pF GRM0335C2A8R8BA01# #0.5pF GRM0335C2A8R8BA01# #0.5pF GRM0335C2A8R8BA01# #0.5pF GRM0335C2A8R9BA01# #0.5pF GRM0335C2A8R9BA01# #0.5pF GRM0335C2A8R9BA01# #0.5pF GRM0335C2A8R9BA01# #0.5pF GRM0335C2A8R9BA01# #0.5pF GRM0335C2A9R0BA01# #0.5pF GRM0335C2A9R3BA01# #0.5p					±0.1pF	GRM0335C2A8R4BA01#
8.5pF					±0.25pF	GRM0335C2A8R4CA01#
#0.1pF GRM0335C2A8R5BA01# ±0.25pF GRM0335C2A8R5CA01# ±0.5pF GRM0335C2A8R5CA01# ±0.1pF GRM0335C2A8R6BA01# ±0.25pF GRM0335C2A8R6BA01# ±0.25pF GRM0335C2A8R6BA01# ±0.5pF GRM0335C2A8R6BA01# ±0.5pF GRM0335C2A8R6BA01# ±0.5pF GRM0335C2A8R7WA01# ±0.5pF GRM0335C2A8R7WA01# ±0.5pF GRM0335C2A8R8WA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A9R0WA01# ±0.5pF GRM0335C2A9R3WA01# ±0.5pF GRM0335C2A9R3BA01# ±0.5pF GRM0335C2A9R3WA01# ±0.5pF GRM0335C2A9R3WA01# ±0.5pF GRM0335CAAPR3WA01# ±0.5pF GRM0335CAAPR3WA01# ±0.5pF GRM0335CAAPR3WA01# ±0.5pF GRM0335CAAPR3WA01# ±0.					±0.5pF	GRM0335C2A8R4DA01#
#0.25pF GRM0335C2A8R5CA01# #0.5pF GRM0335C2A8R5DA01# #0.1pF GRM0335C2A8R6M01# #0.25pF GRM0335C2A8R6M01# #0.25pF GRM0335C2A8R6CA01# #0.25pF GRM0335C2A8R6CA01# #0.1pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R7MA01# #0.25pF GRM0335C2A8R7MA01# #0.5pF GRM0335C2A8R7MA01# #0.5pF GRM0335C2A8R7MA01# #0.5pF GRM0335C2A8R8MA01# #0.1pF GRM0335C2A8R8MA01# #0.25pF GRM0335C2A8R8MA01# #0.5pF GRM0335C2A8R8MA01# #0.5pF GRM0335C2A8R8MA01# #0.5pF GRM0335C2A8R8MA01# #0.1pF GRM0335C2A8R9MA01# #0.1pF GRM0335C2A8R9MA01# #0.1pF GRM0335C2A8R9MA01# #0.5pF GRM0335C2A8R9MA01# #0.5pF GRM0335C2A8R9MA01# #0.5pF GRM0335C2A9R0MA01# #0.1pF GRM0335C2A9R0MA01# #0.1pF GRM0335C2A9R0MA01# #0.5pF GRM0335C2A9R0MA01# #0.5pF GRM0335C2A9R1MA01# #0.5pF GRM0335C2A9R1MA01# #0.5pF GRM0335C2A9R1MA01# #0.5pF GRM0335C2A9R2MA01# #0.5pF GRM0335C2A9R2MA01# #0.5pF GRM0335C2A9R2MA01# #0.5pF GRM0335C2A9R2MA01# #0.5pF GRM0335C2A9R3MA01#				8.5pF	±0.05pF	GRM0335C2A8R5WA01#
#0.5pF GRM0335C2A8R5DA01# #0.1pF GRM0335C2A8R6WA01# #0.2pF GRM0335C2A8R6WA01# #0.2pF GRM0335C2A8R6BA01# #0.2pF GRM0335C2A8R6DA01# #0.5pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R7DA01# #0.2pF GRM0335C2A8R7DA01# #0.2pF GRM0335C2A8R7DA01# #0.2pF GRM0335C2A8R7DA01# #0.2pF GRM0335C2A8R8DA01# #0.2pF GRM0335C2A8R8DA01# #0.2pF GRM0335C2A8R8DA01# #0.2pF GRM0335C2A8R8DA01# #0.2pF GRM0335C2A8R8DA01# #0.2pF GRM0335C2A8R8DA01# #0.2pF GRM0335C2A8R9DA01# #0.2pF GRM0335C2A8R9DA01# #0.2pF GRM0335C2A9R0DA01# #0.2pF GRM0335C2A9R0DA01# #0.2pF GRM0335C2A9R0DA01# #0.2pF GRM0335C2A9R0DA01# #0.2pF GRM0335C2A9R0DA01# #0.2pF GRM0335C2A9R1DA01# #0.2pF GRM0335C2A9R1DA01# #0.2pF GRM0335C2A9R2DA01# #0.2pF GRM0335C2A9R3DA01# #0.2pF GRM0335CA9R3DA01# #0.					±0.1pF	GRM0335C2A8R5BA01#
8.6pF					±0.25pF	GRM0335C2A8R5CA01#
### 10.1pF GRM0335C2A8R6BA01# ### 10.5pF GRM0335C2A8R6CA01# ### 10.5pF GRM0335C2A8R7WA01# ### 10.5pF GRM0335C2A8R7WA01# ### 10.5pF GRM0335C2A8R7WA01# ### 10.5pF GRM0335C2A8R7WA01# ### 10.5pF GRM0335C2A8R8WA01# ### 10.5pF GRM0335C2A8R9WA01# ### 10.5pF GRM0335C2A8R9WA01# ### 10.5pF GRM0335C2A8R9WA01# ### 10.5pF GRM0335C2A9R0WA01# ### 10.5pF GRM0335C2A9R1WA01# ### 10.5pF GRM0335C2A9R1WA01# ### 10.5pF GRM0335C2A9R2WA01# ### 10.5pF GRM0335C2A9R2WA01# ### 10.5pF GRM0335C2A9R2WA01# ### 10.5pF GRM0335C2A9R2WA01# ### 10.5pF GRM0335C2A9R3WA01# #### 1					±0.5pF	GRM0335C2A8R5DA01#
#0.25pF GRM0335C2A8R6CA01# #0.5pF GRM0335C2A8R6DA01# #0.1pF GRM0335C2A8R7WA01# #0.25pF GRM0335C2A8R7DA01# #0.5pF GRM0335C2A8R8WA01# #0.1pF GRM0335C2A8R8WA01# #0.1pF GRM0335C2A8R8WA01# #0.5pF GRM0335C2A8R8WA01# #0.5pF GRM0335C2A8R8WA01# #0.5pF GRM0335C2A8R8WA01# #0.5pF GRM0335C2A8R8WA01# #0.5pF GRM0335C2A8R8WA01# #0.5pF GRM0335C2A8R8WA01# #0.1pF GRM0335C2A8R9WA01# #0.5pF GRM0335C2A8R9WA01# #0.5pF GRM0335C2A8R9WA01# #0.5pF GRM0335C2A9R0WA01# #0.1pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R1WA01# #0.5pF GRM0335C2A9R1WA01# #0.5pF GRM0335C2A9R1WA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R3BA01#				8.6pF	±0.05pF	GRM0335C2A8R6WA01#
### ### ##############################					±0.1pF	GRM0335C2A8R6BA01#
8.7pF ±0.05pF GRM0335C2A8R7WA01# ±0.1pF GRM0335C2A8R7BA01# ±0.25pF GRM0335C2A8R7DA01# ±0.5pF GRM0335C2A8R8WA01# ±0.1pF GRM0335C2A8R8BA01# ±0.25pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R8BA01# ±0.5pF GRM0335C2A8R8BA01# ±0.25pF GRM0335C2A8R8BA01# ±0.25pF GRM0335C2A8R9WA01# ±0.5pF GRM0335C2A8R9WA01# ±0.5pF GRM0335C2A8R9WA01# ±0.5pF GRM0335C2A9R0WA01# ±0.25pF GRM0335C2A9R0WA01# ±0.25pF GRM0335C2A9R0WA01# ±0.25pF GRM0335C2A9R0WA01# ±0.25pF GRM0335C2A9R0WA01# ±0.25pF GRM0335C2A9R1WA01# ±0.25pF GRM0335C2A9R1BA01# ±0.25pF GRM0335C2A9R1BA01# ±0.25pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R3WA01#					±0.25pF	GRM0335C2A8R6CA01#
### ### ##############################					±0.5pF	GRM0335C2A8R6DA01#
#0.25pF GRM0335C2A8R7CA01# #0.5pF GRM0335C2A8R8WA01# #0.1pF GRM0335C2A8R8WA01# #0.25pF GRM0335C2A8R8A01# #0.25pF GRM0335C2A8R8ACA01# #0.5pF GRM0335C2A8R8ACA01# #0.5pF GRM0335C2A8R8DA01# #0.1pF GRM0335C2A8R9WA01# #0.25pF GRM0335C2A8R9WA01# #0.5pF GRM0335C2A8R9BA01# #0.5pF GRM0335C2A8R9DA01# #0.1pF GRM0335C2A9R0WA01# #0.1pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R0WA01# #0.1pF GRM0335C2A9R0WA01# #0.1pF GRM0335C2A9R0WA01# #0.1pF GRM0335C2A9R1WA01# #0.25pF GRM0335C2A9R1WA01# #0.5pF GRM0335C2A9R1DA01# #0.5pF GRM0335C2A9R1DA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R3WA01# #0.5pF GRM0335C2A9R3DA01#				8.7pF	±0.05pF	GRM0335C2A8R7WA01#
# ±0.5pF GRM0335C2A8R8WA01# # ±0.1pF GRM0335C2A8R8WA01# # ±0.25pF GRM0335C2A8R8WA01# # ±0.5pF GRM0335C2A8R8WA01# # ±0.5pF GRM0335C2A8R8WA01# # ±0.5pF GRM0335C2A8R9WA01# # ±0.5pF GRM0335C2A8R9WA01# # ±0.5pF GRM0335C2A8R9WA01# # ±0.5pF GRM0335C2A9R0WA01# # ±0.5pF GRM0335C2A9R1WA01# # ±0.5pF GRM0335C2A9R1WA01# # ±0.5pF GRM0335C2A9R1WA01# # ±0.5pF GRM0335C2A9R2WA01# # ±0.5pF GRM0335C2A9R3WA01# # ±0.5pF GRM0335CA9R3WA01# #					±0.1pF	GRM0335C2A8R7BA01#
8.8pF ±0.05pF GRM0335C2A8R8WA01# ±0.25pF GRM0335C2A8R8BA01# ±0.25pF GRM0335C2A8R8DA01# ±0.5pF GRM0335C2A8R9WA01# ±0.5pF GRM0335C2A8R9BA01# ±0.5pF GRM0335C2A8R9DA01# ±0.5pF GRM0335C2A8R9DA01# ±0.5pF GRM0335C2A9R0WA01# ±0.5pF GRM0335C2A9R0WA01# ±0.5pF GRM0335C2A9R0WA01# ±0.5pF GRM0335C2A9R0DA01# ±0.5pF GRM0335C2A9R0DA01# ±0.5pF GRM0335C2A9R0DA01# ±0.5pF GRM0335C2A9R1WA01# ±0.5pF GRM0335C2A9R1WA01# ±0.5pF GRM0335C2A9R1DA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2BA01# ±0.5pF GRM0335C2A9R2BA01# ±0.5pF GRM0335C2A9R2BA01# ±0.5pF GRM0335C2A9R2BA01# ±0.5pF GRM0335C2A9R3WA01# ±0.5pF GRM0335C2A9R3WA01# ±0.5pF GRM0335C2A9R3BA01#					±0.25pF	GRM0335C2A8R7CA01#
#0.1pF GRM0335C2A8R8BA01# #0.25pF GRM0335C2A8R8CA01# #0.5pF GRM0335C2A8R8DA01# #0.1pF GRM0335C2A8R9WA01# #0.1pF GRM0335C2A8R9BA01# #0.25pF GRM0335C2A8R9BA01# #0.5pF GRM0335C2A8R9DA01# #0.5pF GRM0335C2A9R0WA01# #0.1pF GRM0335C2A9R0WA01# #0.5pF GRM0335C2A9R0BA01# #0.5pF GRM0335C2A9R0BA01# #0.5pF GRM0335C2A9R0BA01# #0.5pF GRM0335C2A9R0DA01# #0.1pF GRM0335C2A9R1WA01# #0.25pF GRM0335C2A9R1BA01# #0.25pF GRM0335C2A9R1DA01# #0.5pF GRM0335C2A9R1DA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2BA01# #0.5pF GRM0335C2A9R2BA01# #0.5pF GRM0335C2A9R2BA01# #0.5pF GRM0335C2A9R3BA01# #0.5pF GRM0335C2A9R3BA01# #0.5pF GRM0335C2A9R3BA01# #0.5pF GRM0335C2A9R3BA01# #0.5pF GRM0335C2A9R3BA01# #0.5pF GRM0335C2A9R3BA01# #0.5pF GRM0335C2A9R3DA01# #0.5pF GRM0335C2A9R3DA01# #0.5pF GRM0335C2A9R3DA01# #0.5pF GRM0335C2A9R4WA01# #0.5pF GRM0335C2A9R4WA01# #0.5pF GRM0335C2A9R4BA01# #0.5pF GRM0335C2A9R4BA01# #0.5pF GRM0335C2A9R4BA01# #0.5pF GRM0335C2A9R4BA01# #0.5pF GRM0335C2A9R4BA01#					±0.5pF	GRM0335C2A8R7DA01#
### ±0.25pF GRM0335C2A8R8CA01# ### ±0.5pF GRM0335C2A8R8DA01# ### ### ±0.1pF GRM0335C2A8R9WA01# ### ### ±0.25pF GRM0335C2A8R9BA01# ### ### ### ### ### ### ### ### ###				8.8pF	±0.05pF	GRM0335C2A8R8WA01#
### ### ##############################					±0.1pF	GRM0335C2A8R8BA01#
8.9pF ±0.05pF GRM0335C2A8R9WA01# ±0.1pF GRM0335C2A8R9BA01# ±0.25pF GRM0335C2A8R9DA01# ±0.5pF GRM0335C2A9R0WA01# ±0.1pF GRM0335C2A9R0BA01# ±0.25pF GRM0335C2A9R0BA01# ±0.5pF GRM0335C2A9R0DA01# ±0.1pF GRM0335C2A9R0DA01# ±0.1pF GRM0335C2A9R1WA01# ±0.25pF GRM0335C2A9R1WA01# ±0.5pF GRM0335C2A9R1DA01# ±0.5pF GRM0335C2A9R1DA01# ±0.5pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2WA01# ±0.25pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2DA01# ±0.5pF GRM0335C2A9R2DA01# ±0.5pF GRM0335C2A9R2DA01# ±0.5pF GRM0335C2A9R2DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.1pF GRM0335C2A9R3DA01# ±0.1pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R4WA01# ±0.5pF GRM0335C2A9R4WA01# ±0.5pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.25pF GRM0335C2A9R4WA01#					±0.25pF	GRM0335C2A8R8CA01#
#0.1pF GRM0335C2A8R9BA01# ±0.25pF GRM0335C2A8R9CA01# ±0.5pF GRM0335C2A9R0WA01# ±0.1pF GRM0335C2A9R0BA01# ±0.25pF GRM0335C2A9R0CA01# ±0.5pF GRM0335C2A9R0DA01# ±0.1pF GRM0335C2A9R0DA01# ±0.1pF GRM0335C2A9R1WA01# ±0.25pF GRM0335C2A9R1WA01# ±0.5pF GRM0335C2A9R1DA01# ±0.5pF GRM0335C2A9R1DA01# ±0.1pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2BA01# ±0.5pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# ±0.5pF GRM0335C2A9R2DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.1pF GRM0335C2A9R3DA01# ±0.25pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R4WA01# ±0.5pF GRM0335C2A9R4CA01# ±0					±0.5pF	GRM0335C2A8R8DA01#
#0.25pF GRM0335C2A8R9CA01# #0.5pF GRM0335C2A8R9DA01# #0.1pF GRM0335C2A9R0WA01# #0.25pF GRM0335C2A9R0CA01# #0.5pF GRM0335C2A9R0CA01# #0.5pF GRM0335C2A9R0DA01# #0.1pF #0.05pF GRM0335C2A9R1WA01# #0.1pF GRM0335C2A9R1WA01# #0.25pF GRM0335C2A9R1CA01# #0.5pF GRM0335C2A9R1DA01# #0.5pF GRM0335C2A9R1DA01# #0.1pF GRM0335C2A9R2WA01# #0.1pF GRM0335C2A9R2WA01# #0.1pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2CA01# #0.5pF GRM0335C2A9R2CA01# #0.5pF GRM0335C2A9R2CA01# #0.5pF GRM0335C2A9R3WA01# #0.5pF GRM0335C2A9R3WA01# #0.1pF GRM0335C2A9R3CA01# #0.25pF GRM0335C2A9R3CA01# #0.5pF GRM0335C2A9R3CA01# #0.1pF GRM0335C2A9R3CA01# #0.5pF GRM0335C2A9R3CA01# #0.5pF GRM0335C2A9R3CA01# #0.5pF GRM0335C2A9R3CA01# #0.5pF GRM0335C2A9R3CA01# #0.5pF GRM0335C2A9R4WA01# #0.1pF GRM0335C2A9R4WA01# #0.1pF GRM0335C2A9R4WA01# #0.1pF GRM0335C2A9R4CA01#				8.9pF	±0.05pF	GRM0335C2A8R9WA01#
#0.5pF GRM0335C2A9R0WA01# #0.1pF GRM0335C2A9R0WA01# #0.25pF GRM0335C2A9R0BA01# #0.5pF GRM0335C2A9R0DA01# #0.5pF GRM0335C2A9R0DA01# #0.1pF GRM0335C2A9R1WA01# #0.1pF GRM0335C2A9R1BA01# #0.5pF GRM0335C2A9R1DA01# #0.5pF GRM0335C2A9R1DA01# #0.5pF GRM0335C2A9R2WA01# #0.1pF GRM0335C2A9R2WA01# #0.1pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2WA01# #0.5pF GRM0335C2A9R2DA01# #0.5pF GRM0335C2A9R3WA01# #0.5pF GRM0335C2A9R3WA01# #0.1pF GRM0335C2A9R3WA01# #0.1pF GRM0335C2A9R3WA01# #0.5pF GRM0335C2A9R4WA01# #0.1pF GRM0335C2A9R4WA01# #0.1pF GRM0335C2A9R4WA01#					±0.1pF	GRM0335C2A8R9BA01#
9.0pF ±0.05pF GRM0335C2A9R0WA01# ±0.1pF GRM0335C2A9R0BA01# ±0.25pF GRM0335C2A9R0DA01# ±0.5pF GRM0335C2A9R1WA01# ±0.1pF GRM0335C2A9R1WA01# ±0.25pF GRM0335C2A9R1DA01# ±0.5pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2WA01# ±0.25pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# ±0.5pF GRM0335C2A9R2WA01# ±0.5pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R4WA01# ±0.5pF GRM0335C2A9R4WA01# ±0.5pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4CA01#					±0.25pF	GRM0335C2A8R9CA01#
#0.1pF GRM0335C2A9R0BA01# #0.25pF GRM0335C2A9R0CA01# #0.5pF GRM0335C2A9R0DA01# 9.1pF #0.05pF GRM0335C2A9R1WA01# #0.1pF GRM0335C2A9R1BA01# #0.25pF GRM0335C2A9R1CA01# #0.5pF GRM0335C2A9R1DA01# 9.2pF #0.05pF GRM0335C2A9R2WA01# #0.1pF GRM0335C2A9R2WA01# #0.25pF GRM0335C2A9R2CA01# #0.5pF GRM0335C2A9R2CA01# #0.5pF GRM0335C2A9R2DA01# #0.1pF GRM0335C2A9R3WA01# #0.1pF GRM0335C2A9R3WA01# #0.1pF GRM0335C2A9R3BA01# #0.25pF GRM0335C2A9R3CA01# #0.5pF GRM0335C2A9R3CA01# #0.5pF GRM0335C2A9R3DA01# #0.1pF GRM0335C2A9R3DA01# #0.1pF GRM0335C2A9R4WA01# #0.1pF GRM0335C2A9R4WA01# #0.1pF GRM0335C2A9R4BA01# #0.1pF GRM0335C2A9R4BA01#					±0.5pF	GRM0335C2A8R9DA01#
±0.25pF GRM0335C2A9R0CA01# ±0.5pF GRM0335C2A9R0DA01# 9.1pF ±0.05pF GRM0335C2A9R1WA01# ±0.1pF GRM0335C2A9R1CA01# ±0.25pF GRM0335C2A9R1CA01# ±0.5pF GRM0335C2A9R1DA01# 9.2pF ±0.05pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2BA01# ±0.5pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# 9.3pF ±0.05pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3CA01# ±0.25pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.25pF GRM0335C2A9R4BA01#				9.0pF	±0.05pF	GRM0335C2A9R0WA01#
#0.5pF GRM0335C2A9R0DA01# 9.1pF					±0.1pF	GRM0335C2A9R0BA01#
9.1pF ±0.05pF GRM0335C2A9R1WA01# ±0.1pF GRM0335C2A9R1BA01# ±0.25pF GRM0335C2A9R1DA01# ±0.5pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2WA01# ±0.25pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# ±0.5pF GRM0335C2A9R2DA01# ±0.1pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4CA01#					±0.25pF	GRM0335C2A9R0CA01#
±0.1pF GRM0335C2A9R1BA01# ±0.25pF GRM0335C2A9R1CA01# ±0.5pF GRM0335C2A9R1DA01# 9.2pF ±0.05pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2BA01# ±0.25pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# 9.3pF ±0.05pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4CA01#					±0.5pF	GRM0335C2A9R0DA01#
±0.25pF GRM0335C2A9R1CA01# ±0.5pF GRM0335C2A9R1DA01# 9.2pF ±0.05pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2BA01# ±0.25pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# 9.3pF ±0.05pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3BA01# ±0.25pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4BA01#				9.1pF	±0.05pF	GRM0335C2A9R1WA01#
#0.5pF GRM0335C2A9R1DA01# 9.2pF					±0.1pF	GRM0335C2A9R1BA01#
9.2pF ±0.05pF GRM0335C2A9R2WA01# ±0.1pF GRM0335C2A9R2BA01# ±0.25pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# 9.3pF ±0.05pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3CA01# ±0.25pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# 9.4pF ±0.05pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01#					±0.25pF	GRM0335C2A9R1CA01#
±0.1pF GRM0335C2A9R2BA01# ±0.25pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# 9.3pF ±0.05pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3BA01# ±0.25pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# ±0.5pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01#					±0.5pF	GRM0335C2A9R1DA01#
±0.25pF GRM0335C2A9R2CA01# ±0.5pF GRM0335C2A9R2DA01# 9.3pF ±0.05pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3BA01# ±0.25pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# 9.4pF ±0.05pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4CA01#				9.2pF	±0.05pF	GRM0335C2A9R2WA01#
# ±0.5pF GRM0335C2A9R2DA01# 9.3pF					±0.1pF	GRM0335C2A9R2BA01#
9.3pF ±0.05pF GRM0335C2A9R3WA01# ±0.1pF GRM0335C2A9R3BA01# ±0.25pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# 9.4pF ±0.05pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4CA01#					±0.25pF	GRM0335C2A9R2CA01#
±0.1pF GRM0335C2A9R3BA01# ±0.25pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# 9.4pF ±0.05pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4CA01#					±0.5pF	GRM0335C2A9R2DA01#
±0.25pF GRM0335C2A9R3CA01# ±0.5pF GRM0335C2A9R3DA01# 9.4pF ±0.05pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4CA01#				9.3pF	±0.05pF	GRM0335C2A9R3WA01#
±0.5pF GRM0335C2A9R3DA01# 9.4pF ±0.05pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4CA01#					±0.1pF	GRM0335C2A9R3BA01#
9.4pF ±0.05pF GRM0335C2A9R4WA01# ±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4CA01#					±0.25pF	GRM0335C2A9R3CA01#
±0.1pF GRM0335C2A9R4BA01# ±0.25pF GRM0335C2A9R4CA01#					±0.5pF	GRM0335C2A9R3DA01#
±0.25pF GRM0335C2A9R4CA01#				9.4pF	±0.05pF	GRM0335C2A9R4WA01#
					±0.1pF	GRM0335C2A9R4BA01#
±0.5pF GRM0335C2A9R4DA01#					±0.25pF	GRM0335C2A9R4CA01#
					±0.5pF	GRM0335C2A9R4DA01#

(→ 0.6	۰0.3mm	1)	•		•	
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	100Vdc	COG	9.5pF	±0.05pF	GRM0335C2A9R5WA01#	_
				±0.1pF	GRM0335C2A9R5BA01#	_
				±0.25pF	GRM0335C2A9R5CA01#	_
				±0.5pF	GRM0335C2A9R5DA01#	_
			9.6pF	±0.05pF	GRM0335C2A9R6WA01#	_
				±0.1pF	GRM0335C2A9R6BA01#	_
				±0.25pF	GRM0335C2A9R6CA01#	_
				±0.5pF	GRM0335C2A9R6DA01#	_
			9.7pF	±0.05pF	GRM0335C2A9R7WA01#	
				±0.1pF	GRM0335C2A9R7BA01#	
				±0.25pF	GRM0335C2A9R7CA01#	_
				±0.5pF	GRM0335C2A9R7DA01#	
			9.8pF	±0.05pF	GRM0335C2A9R8WA01#	
				±0.1pF	GRM0335C2A9R8BA01#	
				±0.25pF	GRM0335C2A9R8CA01#	
				±0.5pF	GRM0335C2A9R8DA01#	
			9.9pF	±0.05pF	GRM0335C2A9R9WA01#	
				±0.1pF	GRM0335C2A9R9BA01#	_
				±0.25pF	GRM0335C2A9R9CA01#	
				±0.5pF	GRM0335C2A9R9DA01#	
			10pF	±2%	GRM0335C2A100GA01#	
				±5%	GRM0335C2A100JA01#	_
			12pF	±2%	GRM0335C2A120GA01#	
				±5%	GRM0335C2A120JA01#	_
			15pF	±2%	GRM0335C2A150GA01#	_
				±5%	GRM0335C2A150JA01#	_
			18pF	±2%	GRM0335C2A180GA01#	_
				±5%	GRM0335C2A180JA01#	_
			20pF	±2%	GRM0335C2A200GA01#	_
				±5%	GRM0335C2A200JA01#	_
			22pF	±2%	GRM0335C2A220GA01#	_
				±5%	GRM0335C2A220JA01#	_
			24pF	±2%	GRM0335C2A240GA01#	_
				±5%	GRM0335C2A240JA01#	_
			27pF	±2%	GRM0335C2A270GA01#	_
				±5%	GRM0335C2A270JA01#	_
			30pF	±2%	GRM0335C2A300GA01#	_
			22-5	±5%	GRM0335C2A300JA01#	_
			33pF	±2%	GRM0335C2A330GA01#	_
			2655	±5%	GRM0335C2A330JA01#	_
			36pF	±2%	GRM0335C2A360GA01#	_
			30pF	±5%	GRM0335C2A360JA01#	_
			39pF	±2% ±5%	GRM0335C2A390GA01# GRM0335C2A390JA01#	_
			43pF	±5% ±2%	GRM0335C2A390JA01#	_
			−⊃h∟	±5%	GRM0335C2A430JA01#	_
			47pF	±2%	GRM0335C2A470GA01#	_
			۰۰ ۲۰	±5%	GRM0335C2A470JA01#	_
			51pF	±2%	GRM0335C2A510GA01#	_
			P- ·	±5%	GRM0335C2A510JA01#	_
			56pF	±2%	GRM0335C2A560GA01#	_
			- 1	±5%	GRM0335C2A560JA01#	_
			62pF	±2%	GRM0335C2A620GA01#	_
			•	±5%	GRM0335C2A620JA01#	_

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.33mm	100Vdc	COG	68pF	±2%	GRM0335C2A680GA01#	
				±5%	GRM0335C2A680JA01#	
			75pF	±2%	GRM0335C2A750GA01#	
				±5%	GRM0335C2A750JA01#	
			82pF	±2%	GRM0335C2A820GA01#	
				±5%	GRM0335C2A820JA01#	
			91pF	±2%	GRM0335C2A910GA01#	
				±5%	GRM0335C2A910JA01#	
			100pF	±2%	GRM0335C2A101GA01#	
				±5%	GRM0335C2A101JA01#	
		CK	0.10pF	±0.05pF	GRM0334C2AR10WA01#	
			0.20pF	±0.05pF	GRM0334C2AR20WA01#	
				±0.1pF	GRM0334C2AR20BA01#	
			0.30pF	±0.05pF	GRM0334C2AR30WA01#	
				±0.1pF	GRM0334C2AR30BA01#	
			0.40pF	±0.05pF	GRM0334C2AR40WA01#	
				±0.1pF	GRM0334C2AR40BA01#	
			0.50pF	±0.05pF	GRM0334C2AR50WA01#	
				±0.1pF	GRM0334C2AR50BA01#	
			0.60pF	±0.05pF	GRM0334C2AR60WA01#	
				±0.1pF	GRM0334C2AR60BA01#	
			0.70pF	±0.05pF	GRM0334C2AR70WA01#	
				±0.1pF	GRM0334C2AR70BA01#	
			0.80pF	±0.05pF	GRM0334C2AR80WA01#	
				±0.1pF	GRM0334C2AR80BA01#	
			0.90pF	±0.05pF	GRM0334C2AR90WA01#	
				±0.1pF	GRM0334C2AR90BA01#	
			1.0pF	±0.05pF	GRM0334C2A1R0WA01#	
				±0.1pF	GRM0334C2A1R0BA01#	
					GRM0334C2A1R0CA01#	
			1.1pF		GRM0334C2A1R1WA01#	
				±0.1pF	GRM0334C2A1R1BA01#	
				-	GRM0334C2A1R1CA01#	
			1.2pF		GRM0334C2A1R2WA01#	
					GRM0334C2A1R2BA01#	
				•	GRM0334C2A1R2CA01#	
			1.3pF		GRM0334C2A1R3WA01#	
					GRM0334C2A1R3BA01#	
				-	GRM0334C2A1R3CA01#	
			1.4pF		GRM0334C2A1R4WA01#	
					GRM0334C2A1R4BA01#	
			15.5		GRM0334C2A1R4CA01#	
			1.5pF		GRM0334C2A1R5WA01#	
				<u> </u>	GRM0334C2A1R5BA01#	
			1.6-5	-	GRM0334C2A1R5CA01#	
			1.6pF	· ·	GRM0334C2A1R6WA01#	
				±0.1pF	GRM0334C2A1R6BA01# GRM0334C2A1R6CA01#	
			1.7pF		GRM0334C2A1R7WA01#	
			Pi	· -	GRM0334C2A1R7BA01#	
				-	GRM0334C2A1R7CA01#	
			1.8pF	-	GRM0334C2A1R8WA01#	
			(F-1	·	GRM0334C2A1R8BA01#	
				-	GRM0334C2A1R8CA01#	
				<u>'</u>		

GA2

GR7

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GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm	1)			
T Rated max. Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm 100Vdc	CK	1.9pF	±0.05pF	GRM0334C2A1R9WA01#
			±0.1pF	GRM0334C2A1R9BA01#
			±0.25pF	GRM0334C2A1R9CA01#
		2.0pF	±0.05pF	GRM0334C2A2R0WA01#
			±0.1pF	GRM0334C2A2R0BA01#
			±0.25pF	GRM0334C2A2R0CA01#
	C1	2.1pF	±0.05pF	GRM0333C2A2R1WA01#
			±0.1pF	GRM0333C2A2R1BA01#
			· ·	GRM0333C2A2R1CA01#
		2.2pF	±0.05pF	GRM0333C2A2R2WA01#
			±0.1pF	GRM0333C2A2R2BA01#
			±0.25pF	GRM0333C2A2R2CA01#
		2.3pF	±0.05pF	GRM0333C2A2R3WA01#
			±0.1pF	GRM0333C2A2R3BA01#
			±0.25pF	GRM0333C2A2R3CA01#
		2.4pF	±0.05pF	GRM0333C2A2R4WA01#
			±0.1pF	GRM0333C2A2R4BA01#
			±0.25pF	GRM0333C2A2R4CA01#
		2.5pF	±0.05pF	GRM0333C2A2R5WA01#
			±0.1pF	GRM0333C2A2R5BA01#
			±0.25pF	GRM0333C2A2R5CA01#
		2.6pF	±0.05pF	GRM0333C2A2R6WA01#
			±0.1pF	GRM0333C2A2R6BA01#
			±0.25pF	GRM0333C2A2R6CA01#
		2.7pF	±0.05pF	GRM0333C2A2R7WA01#
			±0.1pF	GRM0333C2A2R7BA01#
			±0.25pF	GRM0333C2A2R7CA01#
		2.8pF	±0.05pF	GRM0333C2A2R8WA01#
			±0.1pF	GRM0333C2A2R8BA01#
			±0.25pF	GRM0333C2A2R8CA01#
		2.9pF	±0.05pF	GRM0333C2A2R9WA01#
			±0.1pF	GRM0333C2A2R9BA01#
			±0.25pF	GRM0333C2A2R9CA01#
		3.0pF	±0.05pF	GRM0333C2A3R0WA01#
			±0.1pF	GRM0333C2A3R0BA01#
			±0.25pF	GRM0333C2A3R0CA01#
		3.1pF	±0.05pF	GRM0333C2A3R1WA01#
			±0.1pF	GRM0333C2A3R1BA01#
			±0.25pF	GRM0333C2A3R1CA01#
		3.2pF	±0.05pF	GRM0333C2A3R2WA01#
			±0.1pF	GRM0333C2A3R2BA01#
			±0.25pF	GRM0333C2A3R2CA01#
		3.3pF	±0.05pF	GRM0333C2A3R3WA01#
			±0.1pF	GRM0333C2A3R3BA01#
			±0.25pF	GRM0333C2A3R3CA01#
		3.4pF	±0.05pF	GRM0333C2A3R4WA01#
			±0.1pF	GRM0333C2A3R4BA01#
			±0.25pF	GRM0333C2A3R4CA01#
		3.5pF	±0.05pF	GRM0333C2A3R5WA01#
			±0.1pF	GRM0333C2A3R5BA01#
			±0.25pF	GRM0333C2A3R5CA01#
		3.6pF	±0.05pF	GRM0333C2A3R6WA01#
			±0.1pF	GRM0333C2A3R6BA01#
			-	GRM0333C2A3R6CA01#
			· ·	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	100Vdc	CJ	3.7pF	±0.05pF	GRM0333C2A3R7WA01#	
				±0.1pF	GRM0333C2A3R7BA01#	_
				±0.25pF	GRM0333C2A3R7CA01#	_
			3.8pF	±0.05pF	GRM0333C2A3R8WA01#	_
				±0.1pF	GRM0333C2A3R8BA01#	_
				±0.25pF	GRM0333C2A3R8CA01#	_
			3.9pF	±0.05pF	GRM0333C2A3R9WA01#	_
				±0.1pF	GRM0333C2A3R9BA01#	_
				±0.25pF	GRM0333C2A3R9CA01#	_
		СН	4.0pF	±0.05pF	GRM0332C2A4R0WA01#	_
				±0.1pF	GRM0332C2A4R0BA01#	_
				±0.25pF	GRM0332C2A4R0CA01#	_
			4.1pF	±0.05pF	GRM0332C2A4R1WA01#	_
			·		GRM0332C2A4R1BA01#	_
					GRM0332C2A4R1CA01#	_
			4.2pF	±0.05pF	GRM0332C2A4R2WA01#	_
			·	±0.1pF	GRM0332C2A4R2BA01#	_
					GRM0332C2A4R2CA01#	_
			4.3pF		GRM0332C2A4R3WA01#	_
					GRM0332C2A4R3BA01#	_
					GRM0332C2A4R3CA01#	_
			4.4pF		GRM0332C2A4R4WA01#	_
			·	<u> </u>	GRM0332C2A4R4BA01#	_
					GRM0332C2A4R4CA01#	_
			4.5pF	±0.05pF	GRM0332C2A4R5WA01#	_
				±0.1pF	GRM0332C2A4R5BA01#	_
				±0.25pF	GRM0332C2A4R5CA01#	_
			4.6pF	±0.05pF	GRM0332C2A4R6WA01#	_
				±0.1pF	GRM0332C2A4R6BA01#	_
				±0.25pF	GRM0332C2A4R6CA01#	_
			4.7pF	±0.05pF	GRM0332C2A4R7WA01#	_
				±0.1pF	GRM0332C2A4R7BA01#	_
				±0.25pF	GRM0332C2A4R7CA01#	_
			4.8pF	±0.05pF	GRM0332C2A4R8WA01#	_
				±0.1pF	GRM0332C2A4R8BA01#	_
				±0.25pF	GRM0332C2A4R8CA01#	
			4.9pF	±0.05pF	GRM0332C2A4R9WA01#	
				±0.1pF	GRM0332C2A4R9BA01#	
				±0.25pF	GRM0332C2A4R9CA01#	
			5.0pF	±0.05pF	GRM0332C2A5R0WA01#	_
				±0.1pF	GRM0332C2A5R0BA01#	
				±0.25pF	GRM0332C2A5R0CA01#	
			5.1pF	±0.05pF	GRM0332C2A5R1WA01#	
				±0.1pF	GRM0332C2A5R1BA01#	
				±0.25pF	GRM0332C2A5R1CA01#	
					GRM0332C2A5R1DA01#	
			5.2pF	· ·	GRM0332C2A5R2WA01#	_
					GRM0332C2A5R2BA01#	
					GRM0332C2A5R2CA01#	_
			E 2-F		GRM0332C2A5R2DA01#	_
			5.3pF		GRM0332C2A5R3WA01#	_
					GRM0332C2A5R3BA01# GRM0332C2A5R3CA01#	_
				±0.25pF	GRM0332C2A5R3CA01#	_
				±0.5pr	GRI 10332CZASKSDAU1#	_

(→ 0.6>	0.3mm)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	100Vdc	СН	5.4pF	±0.05pF	GRM0332C2A5R4WA01#
				±0.1pF	GRM0332C2A5R4BA01#
				±0.25pF	GRM0332C2A5R4CA01#
				±0.5pF	GRM0332C2A5R4DA01#
			5.5pF	±0.05pF	GRM0332C2A5R5WA01#
				±0.1pF	GRM0332C2A5R5BA01#
				±0.25pF	GRM0332C2A5R5CA01#
				±0.5pF	GRM0332C2A5R5DA01#
			5.6pF	±0.05pF	GRM0332C2A5R6WA01#
				±0.1pF	GRM0332C2A5R6BA01#
				±0.25pF	GRM0332C2A5R6CA01#
				±0.5pF	GRM0332C2A5R6DA01#
			5.7pF	±0.05pF	GRM0332C2A5R7WA01#
				±0.1pF	GRM0332C2A5R7BA01#
				±0.25pF	GRM0332C2A5R7CA01#
				±0.5pF	GRM0332C2A5R7DA01#
			5.8pF	±0.05pF	GRM0332C2A5R8WA01#
				±0.1pF	GRM0332C2A5R8BA01#
				±0.25pF	GRM0332C2A5R8CA01#
				±0.5pF	GRM0332C2A5R8DA01#
			5.9pF	±0.05pF	GRM0332C2A5R9WA01#
				±0.1pF	GRM0332C2A5R9BA01#
				±0.25pF	GRM0332C2A5R9CA01#
				±0.5pF	GRM0332C2A5R9DA01#
			6.0pF	±0.05pF	GRM0332C2A6R0WA01#
				±0.1pF	GRM0332C2A6R0BA01#
				±0.25pF	GRM0332C2A6R0CA01#
				±0.5pF	GRM0332C2A6R0DA01#
			6.1pF	±0.05pF	GRM0332C2A6R1WA01#
				±0.1pF	GRM0332C2A6R1BA01#
				±0.25pF	GRM0332C2A6R1CA01#
				±0.5pF	GRM0332C2A6R1DA01#
			6.2pF	±0.05pF	GRM0332C2A6R2WA01#
				±0.1pF	GRM0332C2A6R2BA01#
				±0.25pF	GRM0332C2A6R2CA01#
				±0.5pF	GRM0332C2A6R2DA01#
			6.3pF	±0.05pF	GRM0332C2A6R3WA01#
				±0.1pF	GRM0332C2A6R3BA01#
					GRM0332C2A6R3CA01#
			<u> </u>	±0.5pF	GRM0332C2A6R3DA01#
			6.4pF	· ·	GRM0332C2A6R4WA01#
				±0.1pF	GRM0332C2A6R4BA01#
					GRM0332C2A6R4CA01#
			65.5	±0.5pF	GRM0332C2A6R4DA01#
			6.5pF		GRM0332C2A6R5WA01#
				±0.1pF	GRM0332C2A6R5BA01#
					GRM0332C2A6R5CA01#
			6.6pF	±0.5pF	GRM0332C2A6R5DA01# GRM0332C2A6R6WA01#
			о.орг	±0.05pF ±0.1pF	GRM0332C2A6R6BA01#
				-	GRM0332C2A6R6CA01#
				±0.25pF	GRM0332C2A6R6DA01#
			6.7pF	±0.05pF	
			177	±0.1pF	GRM0332C2A6R7BA01#

Т	Rated	тс	Cap.	Tol.	Part Number	
max.	Voltage	Code				
0.33mm	100Vdc	СН	6.7pF		GRM0332C2A6R7CA01#	_
				±0.5pF	GRM0332C2A6R7DA01#	_
			6.8pF		GRM0332C2A6R8WA01#	_
				±0.1pF	GRM0332C2A6R8BA01#	
				±0.25pF	GRM0332C2A6R8CA01#	
				±0.5pF	GRM0332C2A6R8DA01#	
			6.9pF	±0.05pF	GRM0332C2A6R9WA01#	
				±0.1pF	GRM0332C2A6R9BA01#	
				±0.25pF	GRM0332C2A6R9CA01#	
				±0.5pF	GRM0332C2A6R9DA01#	
			7.0pF	±0.05pF	GRM0332C2A7R0WA01#	
				±0.1pF	GRM0332C2A7R0BA01#	
				±0.25pF	GRM0332C2A7R0CA01#	
				±0.5pF	GRM0332C2A7R0DA01#	
			7.1pF	±0.05pF	GRM0332C2A7R1WA01#	
				±0.1pF	GRM0332C2A7R1BA01#	
				±0.25pF	GRM0332C2A7R1CA01#	
				±0.5pF	GRM0332C2A7R1DA01#	
			7.2pF	±0.05pF	GRM0332C2A7R2WA01#	
				±0.1pF	GRM0332C2A7R2BA01#	
				±0.25pF	GRM0332C2A7R2CA01#	
				±0.5pF	GRM0332C2A7R2DA01#	
			7.3pF	±0.05pF	GRM0332C2A7R3WA01#	
				±0.1pF	GRM0332C2A7R3BA01#	_
				±0.25pF	GRM0332C2A7R3CA01#	
				±0.5pF	GRM0332C2A7R3DA01#	_
			7.4pF	±0.05pF	GRM0332C2A7R4WA01#	_
			•	±0.1pF	GRM0332C2A7R4BA01#	_
				±0.25pF	GRM0332C2A7R4CA01#	_
				±0.5pF	GRM0332C2A7R4DA01#	_
			7.5pF		GRM0332C2A7R5WA01#	_
				±0.1pF	GRM0332C2A7R5BA01#	_
					GRM0332C2A7R5CA01#	_
				±0.5pF	GRM0332C2A7R5DA01#	_
			7.6pF		GRM0332C2A7R6WA01#	_
					GRM0332C2A7R6BA01#	_
					GRM0332C2A7R6CA01#	_
				±0.5pF	GRM0332C2A7R6DA01#	_
			7.7pF		GRM0332C2A7R7WA01#	_
			7.7 pi	±0.1pF	GRM0332C2A7R7BA01#	_
					GRM0332C2A7R7CA01#	
			7 0 5 5		GRM0332C2A7R7DA01#	
			7.8pF	-	GRM0332C2A7R8WA01#	
				±0.1pF	GRM0332C2A7R8BA01#	
				-	GRM0332C2A7R8CA01#	
			7005	±0.5pF	GRM0332C2A7R8DA01#	
			7.9pF	-	GRM0332C2A7R9WA01#	
				±0.1pF	GRM0332C2A7R9BA01#	
				-	GRM0332C2A7R9CA01#	
				-	GRM0332C2A7R9DA01#	
			8.0pF	-	GRM0332C2A8R0WA01#	
				±0.1pF	GRM0332C2A8R0BA01#	
				-	GRM0332C2A8R0CA01#	
				±0.5pF	GRM0332C2A8R0DA01#	

GR7 Ω

GA2

GD /

GA3 GF

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g Type Part Number List

6×0.3mm	1)			
Rated Voltage	TC Code	Cap.	Tol.	Part Number
nm 100Vdc	СН	8.1pF	±0.05pF	GRM0332C2A8R1WA01#
			±0.1pF	GRM0332C2A8R1BA01#
			±0.25pF	GRM0332C2A8R1CA01#
			±0.5pF	GRM0332C2A8R1DA01#
		8.2pF	±0.05pF	GRM0332C2A8R2WA01#
			±0.1pF	GRM0332C2A8R2BA01#
			±0.25pF	GRM0332C2A8R2CA01#
			±0.5pF	GRM0332C2A8R2DA01#
		8.3pF	±0.05pF	GRM0332C2A8R3WA01#
			±0.1pF	GRM0332C2A8R3BA01#
			±0.25pF	GRM0332C2A8R3CA01#
			±0.5pF	GRM0332C2A8R3DA01#
		8.4pF	±0.05pF	GRM0332C2A8R4WA01#
			±0.1pF	GRM0332C2A8R4BA01#
			±0.25pF	GRM0332C2A8R4CA01#
			±0.5pF	GRM0332C2A8R4DA01#
		8.5pF	±0.05pF	GRM0332C2A8R5WA01#
			±0.1pF	GRM0332C2A8R5BA01#
			±0.25pF	GRM0332C2A8R5CA01#
			±0.5pF	GRM0332C2A8R5DA01#
		8.6pF	±0.05pF	GRM0332C2A8R6WA01#
			±0.1pF	GRM0332C2A8R6BA01#
			±0.25pF	GRM0332C2A8R6CA01#
			±0.5pF	GRM0332C2A8R6DA01#
		8.7pF	±0.05pF	GRM0332C2A8R7WA01#
			±0.1pF	GRM0332C2A8R7BA01#
			±0.25pF	GRM0332C2A8R7CA01#
			±0.5pF	GRM0332C2A8R7DA01#
		8.8pF	±0.05pF	GRM0332C2A8R8WA01#
			±0.1pF	GRM0332C2A8R8BA01#
			±0.25pF	GRM0332C2A8R8CA01#
			±0.5pF	GRM0332C2A8R8DA01#
		8.9pF		GRM0332C2A8R9WA01#
			±0.1pF	GRM0332C2A8R9BA01#
			<u> </u>	GRM0332C2A8R9CA01#
			+	GRM0332C2A8R9DA01#
		9.0pF	<u> </u>	GRM0332C2A9R0WA01#
				GRM0332C2A9R0BA01#
			<u> </u>	GRM0332C2A9R0CA01#
			+ -	GRM0332C2A9R0DA01#
		9.1pF	<u> </u>	GRM0332C2A9R1WA01#
				GRM0332C2A9R1BA01#
			<u> </u>	GRM0332C2A9R1CA01#
		0.25	+ -	GRM0332C2A9R1DA01#
		9.2pF	<u> </u>	GRM0332C2A9R2WA01#
			<u> </u>	GRM0332C2A9R2BA01#
			<u> </u>	GRM0332C2A9R2CA01#
		0.3	<u> </u>	GRM0332C2A9R2DA01#
		9.3pF		GRM0332C2A9R3WA01#
				GRM0332C2A9R3BA01#
			<u> </u>	GRM0332C2A9R3CA01#
		0.4.5	· ·	GRM0332C2A9R3DA01#
		9.4pF	±0.05pF	GRM0332C2A9R4WA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	100Vdc	СН	9.4pF	±0.25pF	GRM0332C2A9R4CA01#
			·		GRM0332C2A9R4DA01#
			9.5pF	±0.05pF	GRM0332C2A9R5WA01#
			·	±0.1pF	GRM0332C2A9R5BA01#
				±0.25pF	GRM0332C2A9R5CA01#
					GRM0332C2A9R5DA01#
			9.6pF		GRM0332C2A9R6WA01#
					GRM0332C2A9R6BA01#
					GRM0332C2A9R6CA01#
					GRM0332C2A9R6DA01#
			9.7pF		GRM0332C2A9R7WA01#
					GRM0332C2A9R7BA01#
					GRM0332C2A9R7CA01#
				- '	GRM0332C2A9R7DA01#
			9.8pF	-	GRM0332C2A9R8WA01#
			э.ор.		GRM0332C2A9R8BA01#
					GRM0332C2A9R8CA01#
					GRM0332C2A9R8DA01#
			9.9pF		GRM0332C2A9R9WA01#
			J.5pi		GRM0332C2A9R9BA01#
				· ·	GRM0332C2A9R9CA01#
			10pF		GRM0332C2A100GA01#
			торг	±2%	GRM0332C2A100GA01#
			12nE	±5% ±2%	GRM0332C2A120GA01#
			12pF	±5%	GRM0332C2A120JA01#
			15pF	±2%	GRM0332C2A150GA01#
			1361	±5%	GRM0332C2A150JA01#
			18pF	±2%	GRM0332C2A180GA01#
			торі	±5%	GRM0332C2A180JA01#
			20pF	±2%	GRM0332C2A200GA01#
			Zopi	±5%	GRM0332C2A200JA01#
			22pF	±2%	GRM0332C2A220GA01#
			2291	±5%	GRM0332C2A220JA01#
			24pF	±2%	GRM0332C2A240GA01#
			2 191	±5%	GRM0332C2A240JA01#
			27pF	±2%	GRM0332C2A270GA01#
			- , Pi	±5%	GRM0332C2A270JA01#
			30pF	±2%	GRM0332C2A300GA01#
			Sob!	±5%	GRM0332C2A300JA01#
			33pF	±2%	GRM0332C2A330GA01#
			23hi	±2 %	GRM0332C2A330JA01#
			36pF	±2%	GRM0332C2A360GA01#
			Johi	±2 %	GRM0332C2A360JA01#
			39pF	±2%	GRM0332C2A390GA01#
			ээрі	±5%	GRM0332C2A390JA01#
			43pF	±5%	GRM0332C2A430GA01#
			⊃h∟	±2%	GRM0332C2A430GA01#
			47pF	±3 %	GRM0332C2A470GA01#
			יין	±2 %	GRM0332C2A470JA01#
			51pF	±3 %	GRM0332C2A510GA01#
			21hL	±2%	GRM0332C2A510GA01#
			56pF	±3 %	GRM0332C2A560GA01#
			Johi	±2 %	GRM0332C2A560JA01#
				±3 %	GRA-1033262A360JAU1#

±0.1pF **GRM0332C2A9R4BA01**#

GA2

GA3 GD

GRM Series Temperature Compensating Type Part Number List

(→ 0.6	0.3mm	1)			·
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	100Vdc	СН	62pF	±2%	GRM0332C2A620GA01#
				±5%	GRM0332C2A620JA01#
			68pF	±2%	GRM0332C2A680GA01#
				±5%	GRM0332C2A680JA01#
			75pF	±2%	GRM0332C2A750GA01#
				±5%	GRM0332C2A750JA01#
			82pF	±2%	GRM0332C2A820GA01#
				±5%	GRM0332C2A820JA01#
			91pF	±2%	GRM0332C2A910GA01#
				±5%	GRM0332C2A910JA01#
			100pF	±2%	GRM0332C2A101GA01#
	5011		0.10 =	±5%	GRM0332C2A101JA01#
	50Vdc	COG	0.10pF		GRM0335C1HR10WA01#
			0.20pF	-	GRM0335C1HR20WA01#
			0.20pE		GRM0335C1HR20BA01# GRM0335C1HR30WA01#
			0.30pF	-	GRM0335C1HR30BA01#
			0.40pF		GRM0335C1HR40WA01#
			0.40рі	-	GRM0335C1HR40BA01#
			0.50pF		GRM0335C1HR50WA01#
			о.оор.	-	GRM0335C1HR50BA01#
			0.60pF		GRM0335C1HR60WA01#
				-	GRM0335C1HR60BA01#
			0.70pF		GRM0335C1HR70WA01#
				±0.1pF	GRM0335C1HR70BA01#
			0.80pF	±0.05pF	GRM0335C1HR80WA01#
				±0.1pF	GRM0335C1HR80BA01#
			0.90pF 1.0pF	±0.05pF	GRM0335C1HR90WA01#
				±0.1pF	GRM0335C1HR90BA01#
				±0.05pF	GRM0335C1H1R0WA01#
				±0.1pF	GRM0335C1H1R0BA01#
				±0.25pF	GRM0335C1H1R0CA01#
			1.1pF	±0.05pF	GRM0335C1H1R1WA01#
				±0.1pF	GRM0335C1H1R1BA01#
				±0.25pF	GRM0335C1H1R1CA01#
			1.2pF	-	GRM0335C1H1R2WA01#
					GRM0335C1H1R2BA01#
					GRM0335C1H1R2CA01#
			1.3pF	· ·	GRM0335C1H1R3WA01#
					GRM0335C1H1R3BA01#
			1.455		GRM0335C1H1R3CA01#
			1.4pF	· ·	GRM0335C1H1R4WA01# GRM0335C1H1R4BA01#
				<u> </u>	GRM0335C1H1R4CA01#
			1.5pF		GRM0335C1H1R5WA01#
				<u> </u>	GRM0335C1H1R5BA01#
				<u> </u>	GRM0335C1H1R5CA01#
			1.6pF		GRM0335C1H1R6WA01#
					GRM0335C1H1R6BA01#
					GRM0335C1H1R6CA01#
			1.7pF	-	GRM0335C1H1R7WA01#
				-	GRM0335C1H1R7BA01#
				±0.25pF	GRM0335C1H1R7CA01#
			1.8pF	±0.05pF	GRM0335C1H1R8WA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number								
0.33mm	50Vdc	COG	1.8pF	±0.1pF	GRM0335C1H1R8BA01#								
				±0.25pF	GRM0335C1H1R8CA01#								
			1.9pF	±0.05pF	GRM0335C1H1R9WA01#								
				±0.1pF	GRM0335C1H1R9BA01#								
				±0.25pF	GRM0335C1H1R9CA01#								
			2.0pF	±0.05pF	GRM0335C1H2R0WA01#								
				±0.1pF	GRM0335C1H2R0BA01#								
				±0.25pF	GRM0335C1H2R0CA01#								
			2.1pF	±0.05pF	GRM0335C1H2R1WA01#								
				±0.1pF	GRM0335C1H2R1BA01#								
				±0.25pF	GRM0335C1H2R1CA01#								
			2.2pF	±0.05pF	GRM0335C1H2R2WA01#								
				±0.1pF	GRM0335C1H2R2BA01#								
				±0.25pF	GRM0335C1H2R2CA01#								
			2.3pF	±0.05pF	GRM0335C1H2R3WA01#								
				±0.1pF	GRM0335C1H2R3BA01#								
				±0.25pF	GRM0335C1H2R3CA01#								
			2.4pF	±0.05pF	GRM0335C1H2R4WA01#								
				±0.1pF	GRM0335C1H2R4BA01#								
				±0.25pF	GRM0335C1H2R4CA01#								
			2.5pF	±0.05pF	GRM0335C1H2R5WA01#								
				±0.1pF	GRM0335C1H2R5BA01#								
				±0.25pF	GRM0335C1H2R5CA01#								
			2.6pF	±0.05pF	GRM0335C1H2R6WA01#								
					GRM0335C1H2R6BA01#								
			2.7-5		GRM0335C1H2R6CA01#								
			2.7pF	· ·	GRM0335C1H2R7WA01#								
						GRM0335C1H2R7BA01#							
					GRM0335C1H2R7CA01#								
			2.8pF		GRM0335C1H2R8WA01#								
				±0.1pF	GRM0335C1H2R8BA01#								
			2.9pF	-	GRM0335C1H2R8CA01#								
				-	GRM0335C1H2R9WA01#								
				±0.1pF	GRM0335C1H2R9BA01# GRM0335C1H2R9CA01#								
			}	3.0pF		GRM0335C1H2R9CA01#	_						
			3.0рі		GRM0335C1H3R0BA01#								
				•	GRM0335C1H3R0CA01#	_							
			3.1pF		GRM0335C1H3R1WA01#	_							
			э.тр.		GRM0335C1H3R1BA01#	_							
					GRM0335C1H3R1CA01#								
			3.2pF		GRM0335C1H3R2WA01#	_							
			ор.	±0.1pF	GRM0335C1H3R2BA01#								
					GRM0335C1H3R2CA01#								
			3.3pF		GRM0335C1H3R3WA01#								
			- 1		GRM0335C1H3R3BA01#								
					GRM0335C1H3R3CA01#								
			3.4pF		GRM0335C1H3R4WA01#								
			•		GRM0335C1H3R4BA01#	_							
					GRM0335C1H3R4CA01#	_							
			3.5pF	±0.05pF	GRM0335C1H3R5WA01#								
				±0.1pF	GRM0335C1H3R5BA01#								
											±0.25pF	GRM0335C1H3R5CA01#	
	_		3.6pF	±0.05pF	GRM0335C1H3R6WA01#								

(→ 0.6×0.3mm)

To	, 0.0	0.3mm	-,			
#0.25pF GRM0335C1H3R7WA01# #0.1pF GRM0335C1H3R7WA01# #0.25pF GRM0335C1H3R7CA01# #0.1pF GRM0335C1H3R8WA01# #0.1pF GRM0335C1H3R8WA01# #0.1pF GRM0335C1H3R8WA01# #0.1pF GRM0335C1H3R9WA01# #0.1pF GRM0335C1H3R9WA01# #0.1pF GRM0335C1H3R9WA01# #0.1pF GRM0335C1H3R9WA01# #0.1pF GRM0335C1H4R0WA01# #0.1pF GRM0335C1H4R0WA01# #0.1pF GRM0335C1H4R0WA01# #0.05pF GRM0335C1H4R0WA01# #0.05pF GRM0335C1H4R1WA01# #0.05pF GRM0335C1H4R1WA01# #0.1pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R3WA01# #0.1pF GRM0335C1H4R3WA01# #0.1pF GRM0335C1H4R3WA01# #0.1pF GRM0335C1H4R3WA01# #0.1pF GRM0335C1H4R4WA01# #0.1pF GRM0335C1H4R4WA01# #0.1pF GRM0335C1H4R4WA01# #0.1pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.05pF GRM0335C1H5R0WA01#	T max.			Cap.	Tol.	Part Number
3.7pF ±0.05pF GRM0335C1H3R7WA01# ±0.1pF GRM0335C1H3R8WA01# ±0.25pF GRM0335C1H3R8WA01# ±0.25pF GRM0335C1H3R8WA01# ±0.25pF GRM0335C1H3R9WA01# ±0.25pF GRM0335C1H3R9WA01# ±0.25pF GRM0335C1H3R9WA01# ±0.25pF GRM0335C1H4R0WA01# ±0.25pF GRM0335C1H4R0CA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R4CA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R5CA01# ±0.25pF GRM0335C1H4R5CA01# ±0.25pF GRM0335C1H4R5CA01# ±0.25pF GRM0335C1H4R5CA01# ±0.25pF GRM0335C1H4R5CA01# ±0.25pF GRM0335C1H4R5CA01# ±0.25pF GRM0335C1H4R6CA01# ±0.25pF GRM0335C1H4R6CA01# ±0.25pF GRM0335C1H4R5CA01# ±0.25pF GRM0335C1H4R9A001# ±0.25pF GRM0335C1H5R0A001# ±0.25pF GRM0335C).33mm	50Vdc	COG	3.6pF	±0.1pF	GRM0335C1H3R6BA01#
#0.1pF GRM0335C1H3R7BA01#					±0.25pF	GRM0335C1H3R6CA01#
## 10.25pF GRM0335C1H3R7CA01# ## 10.1pF GRM0335C1H3R8WA01# ## 10.25pF GRM0335C1H3R8WA01# ## 10.25pF GRM0335C1H3R8WA01# ## 10.1pF GRM0335C1H3R9WA01# ## 10.1pF GRM0335C1H3R0CA01# ## 10.1pF GRM0335C1H3R0CA01# ## 10.1pF GRM0335C1H4R0WA01# ## 10.1pF GRM0335C1H4R0CA01# ## 10.1pF GRM0335C1H4R0CA01# ## 10.1pF GRM0335C1H4R1WA01# ## 10.1pF GRM0335C1H4R1WA01# ## 10.1pF GRM0335C1H4R2WA01# ## 10.25pF GRM0335C1H4R2WA01# ## 10.25pF GRM0335C1H4R3WA01# ## 10.25pF GRM0335C1H4R3WA01# ## 10.25pF GRM0335C1H4R3WA01# ## 10.25pF GRM0335C1H4R3WA01# ## 10.25pF GRM0335C1H4R4WA01# ## 10.25pF GRM0335C1H4R4WA01# ## 10.25pF GRM0335C1H4R4WA01# ## 10.25pF GRM0335C1H4R5WA01# ## 10.25pF GRM0335C1H4R5WA01# ## 10.25pF GRM0335C1H4R6MA01# ## 10.25pF GRM0335C1H4R0MA01# ## 10.25pF GRM0335C1H3R0MA01# ## 10.25pF GRM03				3.7pF	±0.05pF	GRM0335C1H3R7WA01#
3.8pF					±0.1pF	GRM0335C1H3R7BA01#
#0.1pF GRM0335C1H3R8BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R0BA01# #0.25pF GRM0335C1H3R0B					±0.25pF	GRM0335C1H3R7CA01#
#0.1pF GRM0335C1H3R8BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R9BA01# #0.25pF GRM0335C1H3R0BA01# #0.25pF GRM0335C1H3R0B				3.8pF	· ·	
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3.9pF ±0.05pF GRM0335C1H3R9WA01# ±0.1pF GRM0335C1H3R9BA01# ±0.25pF GRM0335C1H4R0WA01# ±0.25pF GRM0335C1H4R0WA01# ±0.25pF GRM0335C1H4R0WA01# ±0.25pF GRM0335C1H4R0WA01# ±0.25pF GRM0335C1H4R1WA01# ±0.25pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H3PQCA01# ±0.25pF GRM0335C					<u> </u>	
#0.1pF GRM0335C1H3R9BA01# ±0.25pF GRM0335C1H4R0WA01# ±0.1pF GRM0335C1H4R0WA01# ±0.25pF GRM0335C1H4R0WA01# ±0.1pF GRM0335C1H4R1WA01# ±0.25pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R7WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H5R0WA01# ±0.				3 9nF	· ·	
### ##################################				0.56.	<u> </u>	
4.0pF ±0.05pF GRM0335C1H4R0WA01# ±0.1pF GRM0335C1H4R0BA01# ±0.25pF GRM0335C1H4R1WA01# ±0.1pF GRM0335C1H4R1WA01# ±0.1pF GRM0335C1H4R1BA01# ±0.25pF GRM0335C1H4R2WA01# ±0.1pF GRM0335C1H4R2WA01# ±0.1pF GRM0335C1H4R2WA01# ±0.1pF GRM0335C1H4R3WA01# ±0.1pF GRM0335C1H4R3WA01# ±0.1pF GRM0335C1H4R3WA01# ±0.1pF GRM0335C1H4R4WA01# ±0.1pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R2WA01# ±0.25pF GRM0335C1H5R2WA01					-	
#0.1pF GRM0335C1H4R0BA01# ±0.25pF GRM0335C1H4R1WA01# ±0.1pF GRM0335C1H4R1BA01# ±0.25pF GRM0335C1H4R1BA01# ±0.25pF GRM0335C1H4R2WA01# ±0.1pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R2WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R3WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R4WA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R2WA01# ±0.				40-5	· ·	
#0.25pF GRM0335C1H4R0CA01# #0.1pF GRM0335C1H4R1WA01# #0.25pF GRM0335C1H4R1WA01# #0.25pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0W				4.0pr	·	
4.1pF						
#0.1pF GRM0335C1H4R1BA01# #0.25pF GRM0335C1H4R2WA01# #0.1pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R3WA01# #0.1pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R4WA01# #0.1pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R1BA01#					· ·	
#0.25pF GRM0335C1H4R1CA01# #0.1pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R2WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3CA01# #0.25pF GRM0335C1H4R3CA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0MA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0MA01# #0.25pF GRM0335C1H5R0MA01# #0.25pF GRM0335C1H5R0MA01# #0.25pF GRM0335C1H5R0MA01# #0.25pF GRM0335C1H5R0MA01# #0.25pF GRM0335C1H5R0MA01# #0.25pF GRM0335C1H5R1BA01# #0.25pF GRM0335C1H5R1BA01# #0.25pF GRM0335C1H5R2WA01# #0.25pF GRM0335C1H5R2WA01# #0.25pF GRM0335C1H5R2WA01# #0.25pF GRM0335C1H5R2WA01# #0.25pF GRM0335C1H5R2WA01#				4.1pF	±0.05pF	GRM0335C1H4R1WA01#
### ### ##############################					±0.1pF	GRM0335C1H4R1BA01#
#0.1pF GRM0335C1H4R2BA01# #0.25pF GRM0335C1H4R3WA01# #0.1pF GRM0335C1H4R3WA01# #0.1pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3CA01# #0.1pF GRM0335C1H4R4WA01# #0.1pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R8WA01# #0.1pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1WA01#					±0.25pF	GRM0335C1H4R1CA01#
#0.25pF GRM0335C1H4R3WA01# #0.1pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3WA01# #0.25pF GRM0335C1H4R3CA01# #0.25pF GRM0335C1H4R4WA01# #0.1pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01#				4.2pF	±0.05pF	GRM0335C1H4R2WA01#
### ### ##############################					±0.1pF	GRM0335C1H4R2BA01#
#0.1pF GRM0335C1H4R3BA01# #0.25pF GRM0335C1H4R4WA01# #0.1pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R5WA01# #0.1pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5BA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R7WA01# #0.1pF GRM0335C1H4R7WA01# #0.1pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H5R0WA01# #0.1pF GRM0335C1H5R0WA01# #0.1pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1BA01# #0.25pF GRM0335C1H5R1DA01# #0.25pF GRM0335C1H5R1BA01#					±0.25pF	GRM0335C1H4R2CA01#
#0.25pF GRM0335C1H4R3CA01# #0.1pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R4WA01# #0.25pF GRM0335C1H4R5WA01# #0.1pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.25pF GRM0335C1H4R5WA01# #0.1pF GRM0335C1H4R6WA01# #0.1pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6WA01# #0.1pF GRM0335C1H4R7WA01# #0.1pF GRM0335C1H4R7WA01# #0.1pF GRM0335C1H4R7WA01# #0.1pF GRM0335C1H4R8WA01# #0.1pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.1pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R9WA01# #0.1pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1DA01# #0.25pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R2WA01# #0.5pF GRM0335C1H5R2WA01# #0.5pF GRM0335C1H5R2WA01#				4.3pF	±0.05pF	GRM0335C1H4R3WA01#
### ### ##############################					±0.1pF	GRM0335C1H4R3BA01#
# ±0.1pF GRM0335C1H4R4BA01# ±0.25pF GRM0335C1H4R5WA01# ±0.1pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R5WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.25pF GRM0335C1H4R6WA01# ±0.1pF GRM0335C1H4R7WA01# ±0.1pF GRM0335C1H4R7WA01# ±0.25pF GRM0335C1H4R7WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R8WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H4R9WA01# ±0.25pF GRM0335C1H4R9CA01# ±0.25pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1DA01# ±0.25pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R2WA01# ±0.5pF GRM0335C1H5R2WA01# ±0.5pF GRM0335C1H5R2WA01# ±0.1pF					±0.25pF	GRM0335C1H4R3CA01#
# ±0.25pF GRM0335C1H4R4CA01# # ±0.1pF GRM0335C1H4R5WA01# # ±0.25pF GRM0335C1H4R5WA01# # ±0.25pF GRM0335C1H4R6WA01# # ±0.1pF GRM0335C1H4R6WA01# # ±0.1pF GRM0335C1H4R6CA01# # ±0.25pF GRM0335C1H4R7WA01# # ±0.1pF GRM0335C1H4R7WA01# # ±0.25pF GRM0335C1H4R7WA01# # ±0.25pF GRM0335C1H4R8WA01# # ±0.1pF GRM0335C1H4R8WA01# # ±0.25pF GRM0335C1H4R8WA01# # ±0.25pF GRM0335C1H4R8WA01# # ±0.25pF GRM0335C1H4R8WA01# # ±0.25pF GRM0335C1H4R9WA01# # ±0.25pF GRM0335C1H4R9WA01# # ±0.25pF GRM0335C1H4R9CA01# # ±0.25pF GRM0335C1H5R0WA01# # ±0.25pF GRM0335C1H5R0WA01# # ±0.25pF GRM0335C1H5R0WA01# # ±0.25pF GRM0335C1H5R0WA01# # ±0.25pF GRM0335C1H5R1WA01# # ±0.25pF GRM0335C1H5R1WA01# # ±0.25pF GRM0335C1H5R1WA01# # ±0.25pF GRM0335C1H5R1WA01# # ±0.25pF GRM0335C1H5R1CA01# # ±0.5pF GRM0335C1H5R1CA01# # ±0.5pF GRM0335C1H5R1CA01# # ±0.5pF GRM0335C1H5R2WA01# # ±0.1pF GRM0335C1H5R2WA01# # ±0.1pF GRM0335C1H5R2WA01# # ±0.1pF GRM0335C1H5R2WA01#				4.4pF	±0.05pF	GRM0335C1H4R4WA01#
4.5pF ±0.05pF GRM0335C1H4R5WA01# ±0.1pF GRM0335C1H4R5CA01# 4.6pF ±0.05pF GRM0335C1H4R6WA01# ±0.1pF GRM0335C1H4R6BA01# ±0.25pF GRM0335C1H4R6CA01# 4.7pF ±0.05pF GRM0335C1H4R7WA01# ±0.1pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R8CA01# 4.9pF ±0.05pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R1DA01# 5.2pF GRM0335C1H5R1DA01#					±0.1pF	GRM0335C1H4R4BA01#
±0.1pF GRM0335C1H4R5BA01# ±0.25pF GRM0335C1H4R6WA01# ±0.1pF GRM0335C1H4R6BA01# ±0.25pF GRM0335C1H4R6BA01# ±0.25pF GRM0335C1H4R7WA01# ±0.1pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8BA01# ±0.1pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1BA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R1DA01#					±0.25pF	GRM0335C1H4R4CA01#
#0.25pF GRM0335C1H4R5CA01# #0.05pF GRM0335C1H4R6WA01# #0.25pF GRM0335C1H4R6BA01# #0.25pF GRM0335C1H4R7WA01# #0.1pF GRM0335C1H4R7WA01# #0.25pF GRM0335C1H4R7CA01# #0.25pF GRM0335C1H4R8WA01# #0.1pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8WA01# #0.25pF GRM0335C1H4R8CA01# #0.25pF GRM0335C1H4R9WA01# #0.1pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9WA01# #0.25pF GRM0335C1H4R9CA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R0WA01# #0.25pF GRM0335C1H5R1WA01# #0.25pF GRM0335C1H5R1BA01# #0.25pF GRM0335C1H5R1BA01# #0.25pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R1DA01# #0.5pF GRM0335C1H5R2WA01#				4.5pF	±0.05pF	GRM0335C1H4R5WA01#
4.6pF ±0.05pF GRM0335C1H4R6WA01# ±0.1pF GRM0335C1H4R6CA01# 4.7pF ±0.05pF GRM0335C1H4R7WA01# ±0.1pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R7CA01# 4.8pF ±0.05pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8CA01# 4.9pF ±0.05pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0CA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R1DA01# 5.2pF GRM0335C1H5R1DA01#					±0.1pF	GRM0335C1H4R5BA01#
±0.1pF GRM0335C1H4R6BA01# ±0.25pF GRM0335C1H4R7WA01# ±0.1pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2WA01#					±0.25pF	GRM0335C1H4R5CA01#
±0.25pF GRM0335C1H4R6CA01# 4.7pF ±0.05pF GRM0335C1H4R7WA01# ±0.1pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8CA01# 4.9pF ±0.05pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H4R9CA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1DA01# 5.2pF GRM0335C1H5R1DA01# 5.2pF GRM0335C1H5R1DA01# 5.2pF GRM0335C1H5R2WA01#				4.6pF	±0.05pF	GRM0335C1H4R6WA01#
4.7pF ±0.05pF GRM0335C1H4R7WA01# ±0.1pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R8CA01# 4.9pF ±0.05pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R1WA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R1DA01# ±0.1pF GRM0335C1H5R1DA01#					±0.1pF	GRM0335C1H4R6BA01#
±0.1pF GRM0335C1H4R7BA01# ±0.25pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# ±0.25pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01#					±0.25pF	GRM0335C1H4R6CA01#
±0.25pF GRM0335C1H4R7CA01# 4.8pF ±0.05pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R8CA01# 4.9pF ±0.05pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0CA01# 5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1BA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01# ±0.1pF GRM0335C1H5R1DA01#				4.7pF	±0.05pF	GRM0335C1H4R7WA01#
4.8pF ±0.05pF GRM0335C1H4R8WA01# ±0.1pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.1pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R1DA01# ±0.1pF GRM0335C1H5R1DA01# ±0.1pF GRM0335C1H5R1DA01#					±0.1pF	GRM0335C1H4R7BA01#
±0.1pF GRM0335C1H4R8BA01# ±0.25pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.1pF GRM0335C1H5R1BA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R1DA01# ±0.1pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2WA01#					±0.25pF	GRM0335C1H4R7CA01#
±0.25pF GRM0335C1H4R8CA01# 4.9pF ±0.05pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0CA01# 5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2WA01#				4.8pF	±0.05pF	GRM0335C1H4R8WA01#
4.9pF ±0.05pF GRM0335C1H4R9WA01# ±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0CA01# ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2WA01#					±0.1pF	GRM0335C1H4R8BA01#
±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0CA01# 5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2WA01#					±0.25pF	GRM0335C1H4R8CA01#
±0.1pF GRM0335C1H4R9BA01# ±0.25pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0CA01# 5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# ±0.5pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2WA01#				4.9pF	±0.05pF	GRM0335C1H4R9WA01#
±0.25pF GRM0335C1H4R9CA01# 5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0CA01# 5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2WA01#				- 1=-		
5.0pF ±0.05pF GRM0335C1H5R0WA01# ±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0CA01# 5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2BA01#						
±0.1pF GRM0335C1H5R0BA01# ±0.25pF GRM0335C1H5R0CA01# 5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2BA01#				5 OnF	· ·	
±0.25pF GRM0335C1H5R0CA01# 5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2BA01#				3.0pi		
5.1pF ±0.05pF GRM0335C1H5R1WA01# ±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2BA01#					<u> </u>	
±0.1pF GRM0335C1H5R1BA01# ±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2BA01#				5.1nE	· ·	
±0.25pF GRM0335C1H5R1CA01# ±0.5pF GRM0335C1H5R1DA01# 5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2BA01#				3.1pr	<u> </u>	
±0.5pF						
5.2pF ±0.05pF GRM0335C1H5R2WA01# ±0.1pF GRM0335C1H5R2BA01#					<u> </u>	
±0.1pF GRM0335C1H5R2BA01#				E 2=E	· ·	
· · · · · · · · · · · · · · · · · · ·				5.∠pF	<u> </u>	
					-	
±0.25pF GRM0335C1H5R2CA01#					-	
±0.5pF GRM0335C1H5R2DA01#				_	· ·	
5.3pF ±0.05pF GRM0335C1H5R3WA01#				5.3pF	±0.05pF	
+0.1pF GDM0335C1H5D3BA01#			1		±0.1pF	GRM0335C1H5R3BA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	50Vdc	COG	5.3pF	±0.25pF	GRM0335C1H5R3CA01#
				±0.5pF	GRM0335C1H5R3DA01#
			5.4pF	±0.05pF	GRM0335C1H5R4WA01#
				±0.1pF	GRM0335C1H5R4BA01#
				±0.25pF	GRM0335C1H5R4CA01#
				±0.5pF	GRM0335C1H5R4DA01#
			5.5pF	±0.05pF	GRM0335C1H5R5WA01#
				±0.1pF	GRM0335C1H5R5BA01#
				±0.25pF	GRM0335C1H5R5CA01#
				±0.5pF	GRM0335C1H5R5DA01#
			5.6pF	±0.05pF	GRM0335C1H5R6WA01#
				±0.1pF	GRM0335C1H5R6BA01#
				±0.25pF	GRM0335C1H5R6CA01#
				±0.5pF	GRM0335C1H5R6DA01#
			5.7pF	±0.05pF	GRM0335C1H5R7WA01#
				±0.1pF	GRM0335C1H5R7BA01#
				±0.25pF	GRM0335C1H5R7CA01#
				±0.5pF	GRM0335C1H5R7DA01#
			5.8pF	±0.05pF	GRM0335C1H5R8WA01#
				±0.1pF	GRM0335C1H5R8BA01#
				±0.25pF	GRM0335C1H5R8CA01#
				±0.5pF	GRM0335C1H5R8DA01#
			5.9pF	±0.05pF	GRM0335C1H5R9WA01#
				±0.1pF	GRM0335C1H5R9BA01#
				±0.25pF	GRM0335C1H5R9CA01#
				±0.5pF	GRM0335C1H5R9DA01#
		6	6.0pF	±0.05pF	GRM0335C1H6R0WA01#
				±0.1pF	GRM0335C1H6R0BA01#
				±0.25pF	GRM0335C1H6R0CA01#
				±0.5pF	GRM0335C1H6R0DA01#
			6.1pF	±0.05pF	GRM0335C1H6R1WA01#
				±0.1pF	GRM0335C1H6R1BA01#
				±0.25pF	GRM0335C1H6R1CA01#
				±0.5pF	GRM0335C1H6R1DA01#
			6.2pF	±0.05pF	GRM0335C1H6R2WA01#
				±0.1pF	GRM0335C1H6R2BA01#
				±0.25pF	GRM0335C1H6R2CA01#
				±0.5pF	GRM0335C1H6R2DA01#
			6.3pF	±0.05pF	GRM0335C1H6R3WA01#
				±0.1pF	GRM0335C1H6R3BA01#
				±0.25pF	GRM0335C1H6R3CA01#
				±0.5pF	GRM0335C1H6R3DA01#
			6.4pF	±0.05pF	GRM0335C1H6R4WA01#
				±0.1pF	GRM0335C1H6R4BA01#
				±0.25pF	GRM0335C1H6R4CA01#
			6.5pF		GRM0335C1H6R5WA01#
					GRM0335C1H6R5BA01#
				-	GRM0335C1H6R5CA01#
				±0.5pF	GRM0335C1H6R5DA01#
			6.6pF	-	GRM0335C1H6R6WA01#
					GRM0335C1H6R6BA01#
					GRM0335C1H6R6CA01#
				±0.5pF	GRM0335C1H6R6DA01#

(→ 0.6×0.3mm)									
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number				
0.33mm	50Vdc	COG	6.7pF	±0.05pF	GRM0335C1H6R7WA01#				
				±0.1pF	GRM0335C1H6R7BA01#				
				±0.25pF	GRM0335C1H6R7CA01#				
				±0.5pF	GRM0335C1H6R7DA01#				
			6.8pF	±0.05pF	GRM0335C1H6R8WA01#				
				±0.1pF	GRM0335C1H6R8BA01#				
				±0.25pF	GRM0335C1H6R8CA01#				
				±0.5pF	GRM0335C1H6R8DA01#				
			6.9pF	±0.05pF	GRM0335C1H6R9WA01#				
				±0.1pF	GRM0335C1H6R9BA01#				
				±0.25pF	GRM0335C1H6R9CA01#				
				±0.5pF	GRM0335C1H6R9DA01#				
			7.0pF	±0.05pF	GRM0335C1H7R0WA01#				
				±0.1pF	GRM0335C1H7R0BA01#				
				±0.25pF	GRM0335C1H7R0CA01#				
				±0.5pF	GRM0335C1H7R0DA01#				
			7.1pF	±0.05pF	GRM0335C1H7R1WA01#				
				±0.1pF	GRM0335C1H7R1BA01#				
				±0.25pF	GRM0335C1H7R1CA01#				
				±0.5pF	GRM0335C1H7R1DA01#				
			7.2pF	±0.05pF	GRM0335C1H7R2WA01#				
				±0.1pF	GRM0335C1H7R2BA01#				
				±0.25pF	GRM0335C1H7R2CA01#				
				±0.5pF	GRM0335C1H7R2DA01#				
			7.3pF	±0.05pF	GRM0335C1H7R3WA01#				
					· ·	GRM0335C1H7R3BA01#			
					-	GRM0335C1H7R3CA01#			
			7.4-5		GRM0335C1H7R3DA01#				
			7.4pF	-	GRM0335C1H7R4WA01#				
				±0.1pF	GRM0335C1H7R4BA01# GRM0335C1H7R4CA01#				
					GRM0335C1H7R4DA01#				
			7.5pF	· ·	GRM0335C1H7R5WA01#				
			7.50	-	GRM0335C1H7R5BA01#				
				-	GRM0335C1H7R5CA01#				
					GRM0335C1H7R5DA01#				
			7.6pF		GRM0335C1H7R6WA01#				
				±0.1pF	GRM0335C1H7R6BA01#				
					GRM0335C1H7R6CA01#				
					GRM0335C1H7R6DA01#				
			7.7pF	±0.05pF	GRM0335C1H7R7WA01#				
				±0.1pF	GRM0335C1H7R7BA01#				
				±0.25pF	GRM0335C1H7R7CA01#				
				±0.5pF	GRM0335C1H7R7DA01#				
			7.8pF	±0.05pF	GRM0335C1H7R8WA01#				
				±0.1pF	GRM0335C1H7R8BA01#				
				±0.25pF	GRM0335C1H7R8CA01#				
				±0.5pF	GRM0335C1H7R8DA01#				
			7.9pF	±0.05pF	GRM0335C1H7R9WA01#				
				±0.1pF	GRM0335C1H7R9BA01#				
				±0.25pF	GRM0335C1H7R9CA01#				
				±0.5pF	GRM0335C1H7R9DA01#				
			8.0pF	±0.05pF	GRM0335C1H8R0WA01#				
				±0.1pF	GRM0335C1H8R0BA01#				

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.33mm	50Vdc	COG	8.0pF	±0.25pF	GRM0335C1H8R0CA01#
				±0.5pF	GRM0335C1H8R0DA01#
			8.1pF	±0.05pF	GRM0335C1H8R1WA01#
				±0.1pF	GRM0335C1H8R1BA01#
				±0.25pF	GRM0335C1H8R1CA01#
				±0.5pF	GRM0335C1H8R1DA01#
			8.2pF	±0.05pF	GRM0335C1H8R2WA01#
				±0.1pF	GRM0335C1H8R2BA01#
				±0.25pF	GRM0335C1H8R2CA01#
				±0.5pF	GRM0335C1H8R2DA01#
			8.3pF	±0.05pF	GRM0335C1H8R3WA01#
				±0.1pF	GRM0335C1H8R3BA01#
				±0.25pF	GRM0335C1H8R3CA01#
		-		±0.5pF	GRM0335C1H8R3DA01#
			8.4pF	±0.05pF	GRM0335C1H8R4WA01#
				±0.1pF	GRM0335C1H8R4BA01#
				±0.25pF	GRM0335C1H8R4CA01#
		-		±0.5pF	GRM0335C1H8R4DA01#
			8.5pF		GRM0335C1H8R5WA01#
					GRM0335C1H8R5BA01#
					GRM0335C1H8R5CA01#
					GRM0335C1H8R5DA01#
			8.6pF		GRM0335C1H8R6WA01#
				±0.1pF	GRM0335C1H8R6BA01#
				-	GRM0335C1H8R6CA01#
		-	0.7-5	±0.5pF	GRM0335C1H8R6DA01#
			8.7pF	±0.05pF	GRM0335C1H8R7WA01# GRM0335C1H8R7BA01#
					GRM0335C1H8R7CA01#
					GRM0335C1H8R7DA01#
			8.8pF		GRM0335C1H8R8WA01#
			о.ор.	±0.1pF	GRM0335C1H8R8BA01#
					GRM0335C1H8R8CA01#
				-	GRM0335C1H8R8DA01#
			8.9pF		GRM0335C1H8R9WA01#
			·		GRM0335C1H8R9BA01#
				±0.25pF	GRM0335C1H8R9CA01#
				±0.5pF	GRM0335C1H8R9DA01#
			9.0pF	±0.05pF	GRM0335C1H9R0WA01#
				±0.1pF	GRM0335C1H9R0BA01#
				±0.25pF	GRM0335C1H9R0CA01#
				±0.5pF	GRM0335C1H9R0DA01#
			9.1pF	±0.05pF	GRM0335C1H9R1WA01#
				±0.1pF	GRM0335C1H9R1BA01#
				±0.25pF	GRM0335C1H9R1CA01#
				±0.5pF	GRM0335C1H9R1DA01#
			9.2pF	±0.05pF	GRM0335C1H9R2WA01#
				±0.1pF	GRM0335C1H9R2BA01#
				±0.25pF	GRM0335C1H9R2CA01#
				±0.5pF	GRM0335C1H9R2DA01#
			9.3pF	±0.05pF	GRM0335C1H9R3WA01#
					GRM0335C1H9R3BA01#
					GRM0335C1H9R3CA01#
				±0.5pF	GRM0335C1H9R3DA01#

GD C

GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)									
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number				
0.33mm	50Vdc	COG	9.4pF	±0.05pF	GRM0335C1H9R4WA01#				
				±0.1pF	GRM0335C1H9R4BA01#				
				±0.25pF	GRM0335C1H9R4CA01#				
				±0.5pF	GRM0335C1H9R4DA01#				
			9.5pF	±0.05pF	GRM0335C1H9R5WA01#				
				±0.1pF	GRM0335C1H9R5BA01#				
				±0.25pF	GRM0335C1H9R5CA01#				
				±0.5pF	GRM0335C1H9R5DA01#				
			9.6pF	±0.05pF	GRM0335C1H9R6WA01#				
				±0.1pF	GRM0335C1H9R6BA01#				
				±0.25pF	GRM0335C1H9R6CA01#				
				±0.5pF	GRM0335C1H9R6DA01#				
			9.7pF	±0.05pF	GRM0335C1H9R7WA01#				
				±0.1pF	GRM0335C1H9R7BA01#				
				±0.25pF	GRM0335C1H9R7CA01#				
				±0.5pF	GRM0335C1H9R7DA01#				
			9.8pF	±0.05pF	GRM0335C1H9R8WA01#				
				±0.1pF	GRM0335C1H9R8BA01#				
				±0.25pF	GRM0335C1H9R8CA01#				
				±0.5pF	GRM0335C1H9R8DA01#				
			9.9pF	±0.05pF	GRM0335C1H9R9WA01#				
				±0.1pF	GRM0335C1H9R9BA01#				
				±0.25pF	GRM0335C1H9R9CA01#				
				±0.5pF	GRM0335C1H9R9DA01#				
			10pF	±2%	GRM0335C1H100GA01#				
				±5%	GRM0335C1H100JA01#				
			12pF	±2%	GRM0335C1H120GA01#				
				±5%	GRM0335C1H120JA01#				
			15pF	±2%	GRM0335C1H150GA01#				
			·	±5%	GRM0335C1H150JA01#				
			18pF	±2%	GRM0335C1H180GA01#				
			•	±5%	GRM0335C1H180JA01#				
				22pF	±2%	GRM0335C1H220GA01#			
					·	±5%	GRM0335C1H220JA01#		
					27pF	±2%	GRM0335C1H270GA01#		
			·	±5%	GRM0335C1H270JA01#				
			33pF	±2%	GRM0335C1H330GA01#				
				±5%	GRM0335C1H330JA01#				
			39pF	±2%	GRM0335C1H390GA01#				
				±5%	GRM0335C1H390JA01#				
			47pF	±2%	GRM0335C1H470GA01#				
			٠٠ ٢٠	±5%	GRM0335C1H470JA01#				
			56pF	±2%	GRM0335C1H560GA01#				
			oop.	±5%	GRM0335C1H560JA01#				
			68pF	±2%	GRM0335C1H680GA01#				
			20pi	±5%	GRM0335C1H680JA01#				
			82nF	±2%	GRM0335C1H820GA01#				
				82pF	±2 %	GRM0335C1H820JA01#			
			10055	±5%	GRM0335C1H101GA01#				
				100pF	±5%	GRM0335C1H101JA01#			
			120:5						
			120pF	±2%	GRM0335C1H121GA01#				
			15005	±5%	GRM0335C1H121JA01#				
			150pF	±2%	GRM0335C1H151GA01#				
				±5%	GRM0335C1H151JA01#				

т	Rated	тс				
max.	Voltage	Code	Cap.	Tol.	Part Number	
.33mm	50Vdc	COG	180pF	±2%	GRM0335C1H181GA01#	
				±5%	GRM0335C1H181JA01#	
			220pF	±2%	GRM0335C1H221GA01#	
				±5%	GRM0335C1H221JA01#	
		CK	0.10pF	±0.05pF	GRM0334C1HR10WA01#	
			0.20pF	±0.05pF	GRM0334C1HR20WA01#	
				±0.1pF	GRM0334C1HR20BA01#	
			0.30pF	±0.05pF	GRM0334C1HR30WA01#	
				±0.1pF	GRM0334C1HR30BA01#	
			0.40pF	±0.05pF	GRM0334C1HR40WA01#	
				±0.1pF	GRM0334C1HR40BA01#	
			0.50pF	±0.05pF	GRM0334C1HR50WA01#	
				±0.1pF	GRM0334C1HR50BA01#	
			0.60pF	±0.05pF	GRM0334C1HR60WA01#	
				±0.1pF	GRM0334C1HR60BA01#	
			0.70pF	±0.05pF	GRM0334C1HR70WA01#	
				±0.1pF	GRM0334C1HR70BA01#	
			0.80pF	±0.05pF	GRM0334C1HR80WA01#	
				±0.1pF	GRM0334C1HR80BA01#	
			0.90pF	±0.05pF	GRM0334C1HR90WA01#	
				±0.1pF	GRM0334C1HR90BA01#	
			1.0pF	±0.05pF	GRM0334C1H1R0WA01#	
				±0.1pF	GRM0334C1H1R0BA01#	
				±0.25pF	GRM0334C1H1R0CA01#	
			1.1pF	±0.05pF	GRM0334C1H1R1WA01#	
				±0.1pF	GRM0334C1H1R1BA01#	
				±0.25pF	GRM0334C1H1R1CA01#	
			1.2pF	±0.05pF	GRM0334C1H1R2WA01#	
				±0.1pF	GRM0334C1H1R2BA01#	
				±0.25pF	GRM0334C1H1R2CA01#	
			1.3pF	<u> </u>	GRM0334C1H1R3WA01#	
					GRM0334C1H1R3BA01#	
				±0.25pF	GRM0334C1H1R3CA01#	
			1.4pF		GRM0334C1H1R4WA01#	
					GRM0334C1H1R4BA01#	
					GRM0334C1H1R4CA01#	
			1.5pF		GRM0334C1H1R5WA01#	
					GRM0334C1H1R5BA01#	
					GRM0334C1H1R5CA01#	
			1.6pF	•	GRM0334C1H1R6WA01#	
					GRM0334C1H1R6BA01#	
					GRM0334C1H1R6CA01#	
			1.7pF		GRM0334C1H1R7WA01#	
					GRM0334C1H1R7BA01#	
			405		GRM0334C1H1R7CA01#	
			1.8pF	<u> </u>	GRM0334C1H1R8WA01#	
					GRM0334C1H1R8BA01#	
			1 0pF		GRM0334C1H1R8CA01#	
			1.9pF	-	GRM0334C1H1R9WA01# GRM0334C1H1R9BA01#	
				· ·		
			2.0pF	-	GRM0334C1H1R9CA01# GRM0334C1H2R0WA01#	
			2.0pi	-	GRM0334C1H2R0BA01#	
				•	GRM0334C1H2R0CA01#	
			_	0.23pr	GIN 10357CITIZROCAUI#	

(→ 0.6×0.3mm)									
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number				
0.33mm	50Vdc	C1	2.1pF	±0.05pF	GRM0333C1H2R1WA01#				
				±0.1pF	GRM0333C1H2R1BA01#				
				±0.25pF	GRM0333C1H2R1CA01#				
			2.2pF	±0.05pF	GRM0333C1H2R2WA01#				
				±0.1pF	GRM0333C1H2R2BA01#				
				±0.25pF	GRM0333C1H2R2CA01#				
			2.3pF	±0.05pF	GRM0333C1H2R3WA01#				
				±0.1pF	GRM0333C1H2R3BA01#				
				±0.25pF	GRM0333C1H2R3CA01#				
			2.4pF	±0.05pF	GRM0333C1H2R4WA01#				
				±0.1pF	GRM0333C1H2R4BA01#				
				±0.25pF	GRM0333C1H2R4CA01#				
			2.5pF	±0.05pF	GRM0333C1H2R5WA01#				
				±0.1pF	GRM0333C1H2R5BA01#				
				±0.25pF	GRM0333C1H2R5CA01#				
			2.6pF	±0.05pF	GRM0333C1H2R6WA01#				
				±0.1pF	GRM0333C1H2R6BA01#				
				±0.25pF	GRM0333C1H2R6CA01#				
			2.7pF	±0.05pF	GRM0333C1H2R7WA01#				
				±0.1pF	GRM0333C1H2R7BA01#				
				<u> </u>	GRM0333C1H2R7CA01#				
			2.8pF	±0.05pF	GRM0333C1H2R8WA01#				
				±0.1pF	GRM0333C1H2R8BA01#				
				±0.25pF	GRM0333C1H2R8CA01#				
			2.9pF	±0.05pF	GRM0333C1H2R9WA01#				
				20.5	· ·	GRM0333C1H2R9BA01#			
					-	GRM0333C1H2R9CA01#			
			3.0pF	-	GRM0333C1H3R0WA01#				
				· ·	GRM0333C1H3R0BA01#				
			2155	<u> </u>	GRM0333C1H3R0CA01#				
			3.1pF	±0.05pF	GRM0333C1H3R1WA01# GRM0333C1H3R1BA01#				
			3.2pF		GRM0333C1H3R1CA01# GRM0333C1H3R2WA01#				
			3.2pi		GRM0333C1H3R2BA01#				
					GRM0333C1H3R2CA01#				
			3.3pF	-	GRM0333C1H3R3WA01#				
			о.ор.		GRM0333C1H3R3BA01#				
					GRM0333C1H3R3CA01#				
			3.4pF	<u> </u>	GRM0333C1H3R4WA01#				
					GRM0333C1H3R4BA01#				
				· ·	GRM0333C1H3R4CA01#				
			3.5pF	-	GRM0333C1H3R5WA01#				
			·	-	GRM0333C1H3R5BA01#				
				-	GRM0333C1H3R5CA01#				
			3.6pF	±0.05pF	GRM0333C1H3R6WA01#				
				±0.1pF	GRM0333C1H3R6BA01#				
				±0.25pF	GRM0333C1H3R6CA01#				
			3.7pF	±0.05pF	GRM0333C1H3R7WA01#				
				±0.1pF	GRM0333C1H3R7BA01#				
				±0.25pF	GRM0333C1H3R7CA01#				
			3.8pF	±0.05pF	GRM0333C1H3R8WA01#				
				±0.1pF	GRM0333C1H3R8BA01#				
				±0.25pF	GRM0333C1H3R8CA01#				

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	50Vdc	C1	3.9pF	±0.05pF	GRM0333C1H3R9WA01#
				±0.1pF	GRM0333C1H3R9BA01#
				±0.25pF	GRM0333C1H3R9CA01#
		СН	4.0pF	±0.05pF	GRM0332C1H4R0WA01#
				±0.1pF	GRM0332C1H4R0BA01#
				±0.25pF	GRM0332C1H4R0CA01#
			4.1pF	±0.05pF	GRM0332C1H4R1WA01#
				±0.1pF	GRM0332C1H4R1BA01#
				±0.25pF	GRM0332C1H4R1CA01#
			4.2pF	±0.05pF	GRM0332C1H4R2WA01#
				±0.1pF	GRM0332C1H4R2BA01#
				±0.25pF	GRM0332C1H4R2CA01#
			4.3pF	±0.05pF	GRM0332C1H4R3WA01#
				±0.1pF	GRM0332C1H4R3BA01#
				±0.25pF	GRM0332C1H4R3CA01#
			4.4pF	±0.05pF	GRM0332C1H4R4WA01#
				±0.1pF	GRM0332C1H4R4BA01#
				±0.25pF	GRM0332C1H4R4CA01#
			4.5pF	±0.05pF	GRM0332C1H4R5WA01#
				±0.1pF	GRM0332C1H4R5BA01#
				±0.25pF	GRM0332C1H4R5CA01#
			4.6pF	±0.05pF	GRM0332C1H4R6WA01#
				±0.1pF	GRM0332C1H4R6BA01#
				±0.25pF	GRM0332C1H4R6CA01#
			4.7pF	±0.05pF	GRM0332C1H4R7WA01#
				±0.1pF	GRM0332C1H4R7BA01#
				±0.25pF	GRM0332C1H4R7CA01#
			4.8pF	±0.05pF	GRM0332C1H4R8WA01#
				±0.1pF	GRM0332C1H4R8BA01#
				±0.25pF	GRM0332C1H4R8CA01#
			4.9pF	±0.05pF	GRM0332C1H4R9WA01#
				±0.1pF	GRM0332C1H4R9BA01#
				±0.25pF	GRM0332C1H4R9CA01#
			5.0pF	±0.05pF	GRM0332C1H5R0WA01#
				±0.1pF	GRM0332C1H5R0BA01#
				±0.25pF	GRM0332C1H5R0CA01#
			5.1pF	±0.05pF	GRM0332C1H5R1WA01#
					GRM0332C1H5R1BA01#
				±0.25pF	GRM0332C1H5R1CA01#
				±0.5pF	GRM0332C1H5R1DA01#
			5.2pF	±0.05pF	GRM0332C1H5R2WA01#
				±0.1pF	GRM0332C1H5R2BA01#
				-	GRM0332C1H5R2CA01#
		-		±0.5pF	GRM0332C1H5R2DA01#
			5.3pF	-	GRM0332C1H5R3WA01#
					GRM0332C1H5R3BA01#
				-	GRM0332C1H5R3CA01#
					GRM0332C1H5R3DA01#
			5.4pF		GRM0332C1H5R4WA01#
				±0.1pF	GRM0332C1H5R4BA01#
				-	GRM0332C1H5R4CA01#
			F F F	-	GRM0332C1H5R4DA01#
			5.5pF	-	GRM0332C1H5R5WA01#
				±0.1pF	GRM0332C1H5R5BA01#

GA2

GR7

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GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

(→ U.6×	0.3mm	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	50Vdc	СН	5.5pF	±0.25pF	GRM0332C1H5R5CA01#	
				±0.5pF	GRM0332C1H5R5DA01#	
			5.6pF	±0.05pF	GRM0332C1H5R6WA01#	
				±0.1pF	GRM0332C1H5R6BA01#	
				±0.25pF	GRM0332C1H5R6CA01#	_
				±0.5pF	GRM0332C1H5R6DA01#	_
			5.7pF	±0.05pF	GRM0332C1H5R7WA01#	_
				±0.1pF	GRM0332C1H5R7BA01#	_
				±0.25pF	GRM0332C1H5R7CA01#	_
				±0.5pF	GRM0332C1H5R7DA01#	_
			5.8pF	±0.05pF	GRM0332C1H5R8WA01#	_
				±0.1pF	GRM0332C1H5R8BA01#	_
					GRM0332C1H5R8CA01#	
					GRM0332C1H5R8DA01#	_
			5.9pF		GRM0332C1H5R9WA01#	—
			о.5р.		GRM0332C1H5R9BA01#	_
					GRM0332C1H5R9CA01#	_
						—
			6.05		GRM0332C1H5R9DA01#	
			6.0pF		GRM0332C1H6R0WA01#	
				±0.1pF	GRM0332C1H6R0BA01#	
					GRM0332C1H6R0CA01#	_
				· ·	GRM0332C1H6R0DA01#	
			6.1pF		GRM0332C1H6R1WA01#	
				<u> </u>	GRM0332C1H6R1BA01#	
					GRM0332C1H6R1CA01#	
				· ·	GRM0332C1H6R1DA01#	
			6.2pF	±0.05pF	GRM0332C1H6R2WA01#	
				±0.1pF	GRM0332C1H6R2BA01#	
				±0.25pF	GRM0332C1H6R2CA01#	
				±0.5pF	GRM0332C1H6R2DA01#	
			6.3pF	±0.05pF	GRM0332C1H6R3WA01#	
				±0.1pF	GRM0332C1H6R3BA01#	
				±0.25pF	GRM0332C1H6R3CA01#	
				±0.5pF	GRM0332C1H6R3DA01#	
			6.4pF	±0.05pF	GRM0332C1H6R4WA01#	
				±0.1pF	GRM0332C1H6R4BA01#	
				±0.25pF	GRM0332C1H6R4CA01#	
				±0.5pF	GRM0332C1H6R4DA01#	
			6.5pF	±0.05pF	GRM0332C1H6R5WA01#	_
				±0.1pF	GRM0332C1H6R5BA01#	_
				±0.25pF	GRM0332C1H6R5CA01#	_
				±0.5pF	GRM0332C1H6R5DA01#	_
			6.6pF	±0.05pF	GRM0332C1H6R6WA01#	_
				±0.1pF	GRM0332C1H6R6BA01#	_
				±0.25pF	GRM0332C1H6R6CA01#	_
				<u> </u>	GRM0332C1H6R6DA01#	
			6.7pF		GRM0332C1H6R7WA01#	_
			'		GRM0332C1H6R7BA01#	_
				<u> </u>	GRM0332C1H6R7CA01#	
				<u> </u>	GRM0332C1H6R7DA01#	
			6.8pF		GRM0332C1H6R8WA01#	—
			0.0pi		GRM0332C1H6R8BA01#	
						—
					GRM0332C1H6R8CA01#	
				±0.5pF	GRM0332C1H6R8DA01#	

0.33mm SOVdc CH 6-9pF #0.05pF GRM0332C1H6R9BA01# #0.15pF GRM0332C1H6R9BA01# #0.15pF GRM0332C1H6R9BA01# #0.15pF GRM0332C1H7R0BA01# #0.15pF GRM0332C1H7R0BA01# #0.15pF GRM0332C1H7R0BA01# #0.15pF GRM0332C1H7R0BA01# #0.15pF GRM0332C1H7R0BA01# #0.15pF GRM0332C1H7R1BA01# #0.15pF GRM0332C1H7R1BA01# #0.15pF GRM0332C1H7R1DA01# #0.15pF GRM0332C1H7R1DA01# #0.15pF GRM0332C1H7R1DA01# #0.15pF GRM0332C1H7R2BA01# #0.15pF GRM0332C1H7R2BA01# #0.15pF GRM0332C1H7R3BA01# #0.15pF GRM0332C1H7R5BA01# #0.15pF GRM0332C1H7R5BA01# #0.15pF GRM0332C1H7R5BA01# #0.15pF GRM0332C1H7R6BA01# #0.15pF GRM0332C1H7R6BA01# #0.15pF GRM0332C1H7R6BA01# #0.15pF GRM0332C1H7R6BA01# #0.15pF GRM0332C1H7R6BA01# #0.15pF GRM0332C1H7R6BA01# #0.15pF GRM0332C1H7R0A01# #0.15pF	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
#0.5pF GRM0332C1H7R0A01# #0.5pF GRM0332C1H7R0MA01# #0.5pF GRM0332C1H7R0A01# #0.5pF GRM0332C1H7R0A01# #0.5pF GRM0332C1H7R0A01# #0.5pF GRM0332C1H7R0A01# #0.5pF GRM0332C1H7R1A01# #0.5pF GRM0332C1H7R1A01# #0.5pF GRM0332C1H7R1A01# #0.5pF GRM0332C1H7R1A01# #0.5pF GRM0332C1H7R1A01# #0.5pF GRM0332C1H7R1A01# #0.5pF GRM0332C1H7R2A01# #0.5pF GRM0332C1H7R2A01# #0.5pF GRM0332C1H7R3A01# #0.5pF GRM0332C1H7R4A01# #0.5pF GRM0332C1H7R4A01# #0.5pF GRM0332C1H7R4A01# #0.5pF GRM0332C1H7R5A01# #0.5pF GRM0332C1H7R6A01# #0.5pF GRM033C1H7R6A01# #0.5pF G	0.33mm	50Vdc	СН	6.9pF	±0.05pF	GRM0332C1H6R9WA01#
### 10.5pF GRM0332C1H7R0BA01# ### 10.5pF GRM0332C1H7R0BA01# ### 10.5pF GRM0332C1H7R0BA01# ### 10.5pF GRM0332C1H7R0BA01# ### 10.5pF GRM0332C1H7R1BA01# ### 10.5pF GRM033C1H7R1DA01# ### 10.5pF GRM0332C1H7R1DA01# ### 10.5pF GRM0332C1H7R1DA01# ### 10.5pF GRM0332C1H7R1DA01# ### 10.5pF GRM0332C1H7R1DA01# ### 10.5pF GRM0332C1H7R2BA01# ### 10.5pF GRM0332C1H7R2BA01# ### 10.5pF GRM0332C1H7R3BA01# ### 10.5pF GRM0332C1H7R4BA01# ### 10.5pF GRM0332C1H7R4BA01# ### 10.5pF GRM0332C1H7R4DA01# ### 10.5pF GRM0332C1H7R5BA01# ### 10.5pF GRM0332C1H7R6BA01# #### 10.5pF GRM0332C1H7R6A001# #### 10.5pF GRM0332C1H7R7BA01# #### 10.5pF GRM0332C1H7R9BA01# #### 10.5pF GRM0332C1H7R9BA01# #### 10.5pF GRM0332C1H7R9BA01# #### 10.5pF GRM0332C1H7RBA01# ##### 10.5pF GRM0332C1H7RBA01# ##### 10.5pF GRM0332C1H7RBA01# ##### 10.5pF GRM0332C1H7RBA001# ##### 10.5pF GRM0332C1H7RBA001# ######### 10.5pF GRM0332C1H7RBA001# ###################################					±0.1pF	GRM0332C1H6R9BA01#
7.0pF ±0.05pF GRM0332C1H7R0MA01# ±0.1pF GRM0332C1H7R0MA01# ±0.5pF GRM0332C1H7R0MA01# ±0.5pF GRM0332C1H7R0MA01# ±0.5pF GRM0332C1H7R1MA01# ±0.5pF GRM0332C1H7R1MA01# ±0.5pF GRM0332C1H7R1MA01# ±0.5pF GRM0332C1H7R1MA01# ±0.5pF GRM0332C1H7R2MA01# ±0.5pF GRM0332C1H7R2MA01# ±0.5pF GRM0332C1H7R2MA01# ±0.5pF GRM0332C1H7R3MA01# ±0.5pF GRM0332C1H7R4MA01# ±0.5pF GRM0332C1H7R4MA01# ±0.5pF GRM0332C1H7R5MA01# ±0.5pF GRM0332C1H7R6MA01# ±0.5pF GRM0332C1H7R6MA01# ±0.5pF GRM0332C1H7R5MA01# ±0.5pF GRM0					±0.25pF	GRM0332C1H6R9CA01#
#0.1pF GRM0332C1H7R0A01# ±0.25pF GRM0332C1H7R0A01# ±0.5pF GRM0332C1H7R1A01# ±0.25pF GRM0332C1H7R1A01# ±0.25pF GRM0332C1H7R1DA01# ±0.25pF GRM0332C1H7R1DA01# ±0.25pF GRM0332C1H7R1CA01# ±0.25pF GRM0332C1H7R2A01# ±0.5pF GRM0332C1H7R2A01# ±0.5pF GRM0332C1H7R2A01# ±0.5pF GRM0332C1H7R2A01# ±0.5pF GRM0332C1H7R3A01# ±0.5pF GRM0332C1H7R5A01# ±0.5pF GRM0332C1H7AB0A01# ±0.5pF GRM0332C1H7AB0A01# ±0.5pF GRM0332C1H7AB0A01# ±0.5pF GRM0332C1H7AB0A01# ±0.5pF GRM0332C1H7AB0A01# ±0.5pF GRM0332C1H7AB0A01# ±					±0.5pF	GRM0332C1H6R9DA01#
#0.5pF GRM0332C1H7R0A01# #0.5pF GRM0332C1H7R1BA01# #0.5pF GRM0332C1H7R1BA01# #0.5pF GRM0332C1H7R1BA01# #0.5pF GRM0332C1H7R1BA01# #0.5pF GRM0332C1H7R1BA01# #0.5pF GRM0332C1H7R2BA01# #0.5pF GRM0332C1H7R2BA01# #0.5pF GRM0332C1H7R3WA01# #0.5pF GRM0332C1H7R3WA01# #0.5pF GRM0332C1H7R3WA01# #0.5pF GRM0332C1H7R3BA01# #0.5pF GRM0332C1H7R3BA01# #0.5pF GRM0332C1H7R3BA01# #0.5pF GRM0332C1H7R3BA01# #0.5pF GRM0332C1H7R4WA01# #0.5pF GRM0332C1H7R4DA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R8WA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7RBA01# #0.5pF GRM0332C1H7RB				7.0pF	±0.05pF	GRM0332C1H7R0WA01#
# 0.5pF GRM0332C1H7R1BA01# 0.1pF GRM0332C1H7R1BA01# 0.2pF GRM0332C1H7R1BA01# 0.2pF GRM0332C1H7R1BA01# 0.2pF GRM0332C1H7R1BA01# 0.2pF GRM0332C1H7R2BA01# 0.2pF GRM0332C1H7R2BA01# 0.2pF GRM0332C1H7R2BA01# 0.2pF GRM0332C1H7R3BA01# 0.2pF GRM0332C1H7R4BA01# 0.2pF GRM0332C1H7R4BA01# 0.2pF GRM0332C1H7R4BA01# 0.2pF GRM0332C1H7R5BA01# 0.2pF GRM0332C1H7R5BA01# 0.2pF GRM0332C1H7R5BA01# 0.2pF GRM0332C1H7R5BA01# 0.2pF GRM0332C1H7R5BA01# 0.2pF GRM0332C1H7R6BA01# 0.2pF GRM0332C1H7R6BA01# 0.2pF GRM0332C1H7R6DA01# 0.2pF GRM0332C1H7R6DA01# 0.2pF GRM0332C1H7R6DA01# 0.2pF GRM0332C1H7R6DA01# 0.2pF GRM0332C1H7R6DA01# 0.2pF GRM0332C1H7R6DA01# 0.2pF GRM0332C1H7R8DA01# 0.2pF GRM0332C1H7RBDA01# 0.2pF GRM0332C1H8RBBA01# 0.2pF GRM033					±0.1pF	GRM0332C1H7R0BA01#
7.1pF					±0.25pF	GRM0332C1H7R0CA01#
#0.1pF GRM0332C1H7R1BA01# #0.5pF GRM0332C1H7R1DA01# #0.5pF GRM0332C1H7R2BA01# #0.1pF GRM0332C1H7R2BA01# #0.5pF GRM0332C1H7R2BA01# #0.5pF GRM0332C1H7R3WA01# #0.5pF GRM0332C1H7R3WA01# #0.5pF GRM0332C1H7R3WA01# #0.5pF GRM0332C1H7R3WA01# #0.5pF GRM0332C1H7R3DA01# #0.5pF GRM0332C1H7R3DA01# #0.5pF GRM0332C1H7R4BA01# #0.5pF GRM0332C1H7R4DA01# #0.5pF GRM0332C1H7R4DA01# #0.5pF GRM0332C1H7R4DA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R6A01# #0.5pF GRM0332C1H7R6A01# #0.5pF GRM033C1H7R6A01# #0.5pF GRM033C1H7R7WA01# #0.5pF GRM033C1H7R7WA01# #0.5pF GRM033C1H7R8A01# #0.5pF GRM033C1H7R9A01# #0.5pF GRM033C1H8R0A01#					±0.5pF	GRM0332C1H7R0DA01#
#0.25pF GRM0332C1H7R1CA01# #0.5pF GRM0332C1H7R2WA01# #0.1pF GRM0332C1H7R2WA01# #0.25pF GRM0332C1H7R2DA01# #0.25pF GRM0332C1H7R3WA01# #0.1pF GRM0332C1H7R3WA01# #0.1pF GRM0332C1H7R3WA01# #0.5pF GRM0332C1H7R3DA01# #0.5pF GRM0332C1H7R3DA01# #0.5pF GRM0332C1H7R3DA01# #0.1pF GRM0332C1H7R4WA01# #0.1pF GRM0332C1H7R4WA01# #0.1pF GRM0332C1H7R4WA01# #0.5pF GRM0332C1H7R4WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R8WA01# #0.5pF GRM0332C1H7R7ADA01# #0.5pF GRM0332C1H7R7ADA01# #0.5pF GRM0332C1H7R8WA01# #0.5pF GRM0332C1H7R8WA01# #0.5pF GRM0332C1H7R8WA01# #0.5pF GRM0332C1H7R8WA01# #0.5pF GRM0332C1H7R8WA01# #0.5pF GRM0332C1H7R8WA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H8R0BA01#				7.1pF	±0.05pF	GRM0332C1H7R1WA01#
# 10.5pF GRM0332C1H7R1DA01# # 10.1pF GRM0332C1H7R2WA01# # 10.5pF GRM0332C1H7R3DA01# # 10.5pF GRM0332C1H7R4DA01# # 10.5pF GRM0332C1H7R4DA01# # 10.5pF GRM0332C1H7R5DA01# # 10.5pF GRM0332C1H7R5DA01# # 10.5pF GRM0332C1H7R5DA01# # 10.5pF GRM0332C1H7R5DA01# # 10.5pF GRM0332C1H7R6WA01# # 10.5pF GRM0332C1H7R6WA01# # 10.5pF GRM0332C1H7R6WA01# # 10.5pF GRM0332C1H7R6DA01# # 10.5pF GRM0332C1H7R6DA01# # 10.5pF GRM0332C1H7R5DA01# # 10.5pF GRM0332C1H8R0DA01# #					±0.1pF	GRM0332C1H7R1BA01#
7.2pF					±0.25pF	GRM0332C1H7R1CA01#
#0.1pF					±0.5pF	GRM0332C1H7R1DA01#
#0.5pF GRM0332C1H7R2CA01# #0.5pF GRM0332C1H7R3WA01# #0.1pF GRM0332C1H7R3WA01# #0.25pF GRM0332C1H7R3DA01# #0.5pF GRM0332C1H7R3DA01# #0.5pF GRM0332C1H7R3DA01# #0.1pF GRM0332C1H7R4DA01# #0.5pF GRM0332C1H7R4DA01# #0.5pF GRM0332C1H7R4DA01# #0.5pF GRM0332C1H7R5WA01# #0.1pF GRM0332C1H7R5WA01# #0.1pF GRM0332C1H7R5WA01# #0.1pF GRM0332C1H7R5WA01# #0.1pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5DA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R6DA01# #0.5pF GRM0332C1H7R6DA01# #0.5pF GRM0332C1H7R6DA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R6WA01# #0.5pF GRM0332C1H7R7WA01# #0.5pF GRM0332C1H7R7WA01# #0.5pF GRM0332C1H7R7WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R5WA01# #0.5pF GRM0332C1H7R9WA01# #0.5pF GRM0332C1H8R0MA01#				7.2pF	±0.05pF	GRM0332C1H7R2WA01#
# 10.5pF GRM0332C1H7R2DA01# # 10.1pF GRM0332C1H7R3BA01# # 10.25pF GRM0332C1H7R3DA01# # 10.25pF GRM0332C1H7R3DA01# # 10.25pF GRM0332C1H7R4WA01# # 10.25pF GRM0332C1H7R4WA01# # 10.25pF GRM0332C1H7R4WA01# # 10.25pF GRM0332C1H7R4DA01# # 10.25pF GRM0332C1H7R5DA01# # 10.25pF GRM0332C1H7R5DA01# # 10.25pF GRM0332C1H7R5DA01# # 10.25pF GRM0332C1H7R6WA01# # 10.25pF GRM0332C1H7R7WA01# # 10.25pF GRM0332C1H7R7WA01# # 10.25pF GRM0332C1H7R7WA01# # 10.5pF GRM0332C1H7R7WA01# # 10.5pF GRM0332C1H7R8WA01# # 10.25pF GRM0332C1H7R8WA01# # 10.25pF GRM0332C1H7R9WA01# # 10					±0.1pF	GRM0332C1H7R2BA01#
7.3pF ±0.05pF GRM0332C1H7R3WA01# ±0.1pF GRM0332C1H7R3DA01# ±0.5pF GRM0332C1H7R3DA01# ±0.5pF GRM0332C1H7R4WA01# ±0.1pF GRM0332C1H7R4WA01# ±0.25pF GRM0332C1H7R4DA01# ±0.5pF GRM0332C1H7R5DA01# ±0.5pF GRM0332C1H7R5DA01# ±0.5pF GRM0332C1H7R5DA01# ±0.5pF GRM0332C1H7R5DA01# ±0.5pF GRM0332C1H7R6DA01# ±0.5pF GRM0332C1H7R6DA01# ±0.5pF GRM0332C1H7R6DA01# ±0.5pF GRM0332C1H7R5DA01# ±0.5pF GRM0332C1H7T7DA01# ±0.5pF GRM0332C1H7T7T7DA01# ±0.5pF GRM0332C1H7T7TTTTTTTTTTTTTT					±0.25pF	GRM0332C1H7R2CA01#
#0.1pF GRM0332C1H7R3BA01# ±0.25pF GRM0332C1H7R3DA01# ±0.5pF GRM0332C1H7R4WA01# ±0.1pF GRM0332C1H7R4WA01# ±0.25pF GRM0332C1H7R4DA01# ±0.5pF GRM0332C1H7R4DA01# ±0.5pF GRM0332C1H7R4DA01# ±0.25pF GRM0332C1H7R5WA01# ±0.25pF GRM0332C1H7R5WA01# ±0.25pF GRM0332C1H7R5WA01# ±0.25pF GRM0332C1H7R5WA01# ±0.25pF GRM0332C1H7R5WA01# ±0.25pF GRM0332C1H7R6WA01# ±0.25pF GRM0332C1H7R6WA01# ±0.25pF GRM0332C1H7R6WA01# ±0.5pF GRM0332C1H7R6WA01# ±0.5pF GRM0332C1H7R7WA01# ±0.5pF GRM0332C1H7R7WA01# ±0.5pF GRM0332C1H7R7WA01# ±0.5pF GRM0332C1H7R8WA01# ±0.5pF GRM0332C1H7R8WA01# ±0.5pF GRM0332C1H7R9WA01# ±0.5pF GRM0332C1H7R9WA01# ±0.5pF GRM0332C1H7R9WA01# ±0.5pF GRM0332C1H7R9WA01# ±0.5pF GRM0332C1H7R9WA01# ±0.5pF GRM0332C1H7R9WA01# ±0.5pF GRM0332C1H8R0WA01# ±0.5pF GRM0332C1H8R0WA01# ±0.5pF GRM0332C1H8R0WA01# ±0.5pF GRM0332C1H8R0WA01# ±0.5pF GRM0332C1H8R0WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R2WA01# ±0.5pF GRM0332C1H8R2WA01					±0.5pF	GRM0332C1H7R2DA01#
#0.25pF GRM0332C1H7R3CA01# #0.5pF GRM0332C1H7R3DA01# #0.1pF GRM0332C1H7R4WA01# #0.25pF GRM0332C1H7R4CA01# #0.5pF GRM0332C1H7R4CA01# #0.5pF GRM0332C1H7R4CA01# #0.25pF GRM0332C1H7R5DA01# #0.25pF GRM0332C1H7R5DA01# #0.1pF GRM0332C1H7R5DA01# #0.1pF GRM0332C1H7R5DA01# #0.25pF GRM0332C1H7R6DA01# #0.5pF GRM0332C1H7R6DA01# #0.5pF GRM0332C1H7R6DA01# #0.1pF GRM0332C1H7R7DA01# #0.1pF GRM0332C1H7R7DA01# #0.25pF GRM0332C1H7R7DA01# #0.5pF GRM0332C1H7R8DA01# #0.1pF GRM0332C1H7R8DA01# #0.1pF GRM0332C1H7R8DA01# #0.1pF GRM0332C1H7R8DA01# #0.1pF GRM0332C1H7R8DA01# #0.1pF GRM0332C1H7R8DA01# #0.1pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.1pF GRM0332C1H7R0DA01# #0.1pF GRM0332C1H7T0DA01# #0.1pF GRM0332C1H70DA01#				7.3pF	±0.05pF	GRM0332C1H7R3WA01#
### ### ##############################					±0.1pF	GRM0332C1H7R3BA01#
7.4pF					±0.25pF	GRM0332C1H7R3CA01#
### ### ##############################					±0.5pF	GRM0332C1H7R3DA01#
#0.25pF GRM0332C1H7R4CA01# #0.5pF GRM0332C1H7R5WA01# #0.1pF GRM0332C1H7R5BA01# #0.25pF GRM0332C1H7R5DA01# #0.5pF GRM0332C1H7R5DA01# #0.5pF GRM0332C1H7R5DA01# #0.5pF GRM0332C1H7R5DA01# #0.1pF GRM0332C1H7R6WA01# #0.25pF GRM0332C1H7R6BA01# #0.25pF GRM0332C1H7R6DA01# #0.5pF GRM0332C1H7R6DA01# #0.1pF GRM0332C1H7R7WA01# #0.1pF GRM0332C1H7R7WA01# #0.25pF GRM0332C1H7R7DA01# #0.25pF GRM0332C1H7R7DA01# #0.25pF GRM0332C1H7R8WA01# #0.25pF GRM0332C1H7R8WA01# #0.25pF GRM0332C1H7R8DA01# #0.25pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R9WA01#				7.4pF	±0.05pF	GRM0332C1H7R4WA01#
### ### ##############################					±0.1pF	GRM0332C1H7R4BA01#
7.5pF ±0.05pF GRM0332C1H7R5WA01# ±0.25pF GRM0332C1H7R5DA01# ±0.5pF GRM0332C1H7R5DA01# ±0.05pF GRM0332C1H7R6MA01# ±0.1pF GRM0332C1H7R6MA01# ±0.1pF GRM0332C1H7R6DA01# ±0.5pF GRM0332C1H7R6DA01# ±0.5pF GRM0332C1H7R6DA01# ±0.5pF GRM0332C1H7R7DA01# ±0.5pF GRM0332C1H7R7DA01# ±0.5pF GRM0332C1H7R8DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GR					±0.25pF	GRM0332C1H7R4CA01#
#0.1pF GRM0332C1H7R5BA01# #0.25pF GRM0332C1H7R5CA01# #0.5pF GRM0332C1H7R5DA01# #0.1pF GRM0332C1H7R6WA01# #0.1pF GRM0332C1H7R6BA01# #0.25pF GRM0332C1H7R6DA01# #0.1pF GRM0332C1H7R6DA01# #0.1pF GRM0332C1H7R7WA01# #0.1pF GRM0332C1H7R7DA01# #0.25pF GRM0332C1H7R7DA01# #0.25pF GRM0332C1H7R7DA01# #0.1pF GRM0332C1H7R7DA01# #0.1pF GRM0332C1H7R8WA01# #0.1pF GRM0332C1H7R8WA01# #0.1pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R8DA01# #0.1pF GRM0332C1H7R9DA01# #0.1pF GRM0332C1H7R9DA01# #0.1pF GRM0332C1H7R9DA01# #0.1pF GRM0332C1H7R9DA01# #0.25pF GRM0332C1H7R9DA01# #0.1pF GRM0332C1H8R0WA01# #0.1pF GRM0332C1H8R0WA01# #0.1pF GRM0332C1H8R0WA01# #0.1pF GRM0332C1H8R0DA01# #0.25pF GRM0332C1H8R0DA01# #0.25pF GRM0332C1H8R0DA01# #0.25pF GRM0332C1H8R1WA01# #0.1pF GRM0332C1H8R1DA01# #0.1pF GRM0332C1H8R1BA01# #0.25pF GRM0332C1H8R1DA01#					±0.5pF	GRM0332C1H7R4DA01#
#0.5pF GRM0332C1H7R5CA01# #0.5pF GRM0332C1H7R5DA01# #0.1pF GRM0332C1H7R6WA01# #0.1pF GRM0332C1H7R6BA01# #0.5pF GRM0332C1H7R6DA01# #0.5pF GRM0332C1H7R6DA01# #0.1pF GRM0332C1H7R7WA01# #0.1pF GRM0332C1H7R7WA01# #0.5pF GRM0332C1H7R7DA01# #0.5pF GRM0332C1H7R7DA01# #0.5pF GRM0332C1H7R7DA01# #0.1pF GRM0332C1H7R8WA01# #0.1pF GRM0332C1H7R8WA01# #0.1pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.1pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H8R0WA01# #0.5pF GRM0332C1H8R0WA01# #0.1pF GRM0332C1H8R0WA01# #0.5pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R1WA01# #0.5pF GRM0332C1H8R1WA01# #0.5pF GRM0332C1H8R1BA01# #0.5pF GRM0332C1H8R1DA01#				7.5pF	±0.05pF	GRM0332C1H7R5WA01#
### ### ### ### ### ### ### ### ### ##					±0.1pF	GRM0332C1H7R5BA01#
7.6pF ±0.05pF GRM0332C1H7R6WA01# ±0.1pF GRM0332C1H7R6DA01# ±0.25pF GRM0332C1H7R6DA01# ±0.5pF GRM0332C1H7R7WA01# ±0.1pF GRM0332C1H7R7WA01# ±0.25pF GRM0332C1H7R7DA01# ±0.5pF GRM0332C1H7R7DA01# ±0.5pF GRM0332C1H7R7DA01# ±0.25pF GRM0332C1H7R8WA01# ±0.5pF GRM0332C1H7R8DA01# ±0.5pF GRM0332C1H7R8DA01# ±0.5pF GRM0332C1H7R8DA01# ±0.5pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9DA01# ±0.25pF GRM0332C1H7R9DA01# ±0.25pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H8R0WA01# ±0.5pF GRM0332C1H8R0WA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1BA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01#					±0.25pF	GRM0332C1H7R5CA01#
#0.1pF GRM0332C1H7R6BA01# #0.25pF GRM0332C1H7R6CA01# #0.5pF GRM0332C1H7R7WA01# #0.1pF GRM0332C1H7R7WA01# #0.25pF GRM0332C1H7R7CA01# #0.5pF GRM0332C1H7R7DA01# #0.5pF GRM0332C1H7R7DA01# #0.1pF GRM0332C1H7R8WA01# #0.1pF GRM0332C1H7R8WA01# #0.25pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R8DA01# #0.5pF GRM0332C1H7R9WA01# #0.1pF GRM0332C1H7R9WA01# #0.1pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H8R0WA01# #0.1pF GRM0332C1H8R0WA01# #0.1pF GRM0332C1H8R0WA01# #0.1pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R1WA01# #0.5pF GRM0332C1H8R1WA01# #0.5pF GRM0332C1H8R1BA01# #0.5pF GRM0332C1H8R1BA01# #0.5pF GRM0332C1H8R1BA01# #0.5pF GRM0332C1H8R1DA01# #0.5pF GRM0332C1H8R1DA01# #0.5pF GRM0332C1H8R1DA01#					±0.5pF	GRM0332C1H7R5DA01#
±0.25pF GRM0332C1H7R6CA01# ±0.5pF GRM0332C1H7R7WA01# ±0.1pF GRM0332C1H7R7BA01# ±0.25pF GRM0332C1H7R7CA01# ±0.5pF GRM0332C1H7R7DA01# ** ** ** ** ** ** ** ** **				7.6pF	±0.05pF	GRM0332C1H7R6WA01#
### ### ##############################					±0.1pF	GRM0332C1H7R6BA01#
7.7pF ±0.05pF GRM0332C1H7R7WA01# ±0.1pF GRM0332C1H7R7BA01# ±0.25pF GRM0332C1H7R7DA01# ±0.5pF GRM0332C1H7R8WA01# ±0.1pF GRM0332C1H7R8WA01# ±0.25pF GRM0332C1H7R8DA01# ±0.5pF GRM0332C1H7R8DA01# ±0.5pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9DA01# ±0.25pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0BA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1BA01# ±0.5pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#					±0.25pF	GRM0332C1H7R6CA01#
±0.1pF GRM0332C1H7R7BA01# ±0.25pF GRM0332C1H7R7CA01# ±0.5pF GRM0332C1H7R8WA01# ±0.1pF GRM0332C1H7R8BA01# ±0.25pF GRM0332C1H7R8CA01# ±0.5pF GRM0332C1H7R8DA01# 7.9pF ±0.05pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9BA01# ±0.25pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0BA01# ±0.5pF GRM0332C1H8R0BA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.5pF GRM0332C1H8R1BA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01#					±0.5pF	GRM0332C1H7R6DA01#
±0.25pF GRM0332C1H7R7CA01# ±0.5pF GRM0332C1H7R7DA01# 7.8pF ±0.05pF GRM0332C1H7R8WA01# ±0.1pF GRM0332C1H7R8CA01# ±0.25pF GRM0332C1H7R8DA01# 7.9pF ±0.05pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9BA01# ±0.25pF GRM0332C1H7R9CA01# ±0.5pF GRM0332C1H7R9CA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0WA01# ±0.25pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01#				7.7pF	±0.05pF	GRM0332C1H7R7WA01#
#0.5pF GRM0332C1H7R7DA01# 7.8pF ±0.05pF GRM0332C1H7R8WA01# ±0.1pF GRM0332C1H7R8CA01# ±0.25pF GRM0332C1H7R8DA01# ±0.5pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9BA01# ±0.25pF GRM0332C1H7R9BA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0BA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#					±0.1pF	GRM0332C1H7R7BA01#
7.8pF ±0.05pF GRM0332C1H7R8WA01# ±0.1pF GRM0332C1H7R8BA01# ±0.25pF GRM0332C1H7R8DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.1pF GRM0332C1H7R9BA01# ±0.25pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0BA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R1BA01# ±0.5pF GRM0332C1H8R1BA01# ±0.5pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.5pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#					±0.25pF	GRM0332C1H7R7CA01#
±0.1pF GRM0332C1H7R8BA01# ±0.25pF GRM0332C1H7R8CA01# ±0.5pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9CA01# ±0.5pF GRM0332C1H7R9CA01# ±0.5pF GRM0332C1H7R9DA01# 8.0pF ±0.05pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0CA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R1WA01# ±0.5pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#					±0.5pF	GRM0332C1H7R7DA01#
±0.25pF GRM0332C1H7R8CA01# ±0.5pF GRM0332C1H7R8DA01# 7.9pF ±0.05pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9CA01# ±0.25pF GRM0332C1H7R9CA01# ±0.5pF GRM0332C1H7R9DA01# *0.05pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0CA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#				7.8pF	±0.05pF	GRM0332C1H7R8WA01#
#0.5pF GRM0332C1H7R8DA01# #0.1pF GRM0332C1H7R9DA01# #0.25pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.5pF GRM0332C1H7R9DA01# #0.1pF GRM0332C1H8R0BA01# #0.25pF GRM0332C1H8R0BA01# #0.5pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R0DA01# #0.5pF GRM0332C1H8R1BA01# #0.1pF GRM0332C1H8R1BA01# #0.25pF GRM0332C1H8R1BA01# #0.5pF GRM0332C1H8R1BA01# #0.5pF GRM0332C1H8R1DA01# #0.5pF GRM0332C1H8R2WA01# #0.5pF #0.5pF GRM0332C1H8R2WA01# #0.5pF #0.5pF					±0.1pF	GRM0332C1H7R8BA01#
7.9pF ±0.05pF GRM0332C1H7R9WA01# ±0.1pF GRM0332C1H7R9BA01# ±0.25pF GRM0332C1H7R9DA01# ±0.5pF GRM0332C1H7R9DA01# ±0.1pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0CA01# ±0.5pF GRM0332C1H8R0DA01# ±0.5pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#					±0.25pF	GRM0332C1H7R8CA01#
±0.1pF GRM0332C1H7R9BA01# ±0.25pF GRM0332C1H7R9CA01# ±0.5pF GRM0332C1H7R9DA01# 8.0pF ±0.05pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0CA01# ±0.25pF GRM0332C1H8R0CA01# ±0.5pF GRM0332C1H8R0DA01# 8.1pF ±0.05pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#					±0.5pF	GRM0332C1H7R8DA01#
±0.25pF GRM0332C1H7R9CA01# ±0.5pF GRM0332C1H7R9DA01# 8.0pF ±0.05pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0CA01# ±0.5pF GRM0332C1H8R0DA01# ±0.05pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01# ±0.5pF GRM0332C1H8R1DA01#				7.9pF	±0.05pF	GRM0332C1H7R9WA01#
#0.5pF GRM0332C1H7R9DA01# 8.0pF					±0.1pF	GRM0332C1H7R9BA01#
8.0pF ±0.05pF GRM0332C1H8R0WA01# ±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0CA01# ±0.5pF GRM0332C1H8R0DA01# 8.1pF ±0.05pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#					±0.25pF	GRM0332C1H7R9CA01#
±0.1pF GRM0332C1H8R0BA01# ±0.25pF GRM0332C1H8R0CA01# ±0.5pF GRM0332C1H8R0DA01# 8.1pF ±0.05pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01#					±0.5pF	GRM0332C1H7R9DA01#
±0.25pF GRM0332C1H8R0CA01# ±0.5pF GRM0332C1H8R0DA01# 8.1pF ±0.05pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01# 8.2pF ±0.05pF GRM0332C1H8R2WA01#				8.0pF	±0.05pF	GRM0332C1H8R0WA01#
±0.5pF GRM0332C1H8R0DA01# 8.1pF ±0.05pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01# 8.2pF ±0.05pF GRM0332C1H8R2WA01#					±0.1pF	GRM0332C1H8R0BA01#
8.1pF ±0.05pF GRM0332C1H8R1WA01# ±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01# 8.2pF ±0.05pF GRM0332C1H8R2WA01#					±0.25pF	GRM0332C1H8R0CA01#
±0.1pF GRM0332C1H8R1BA01# ±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01# 8.2pF ±0.05pF GRM0332C1H8R2WA01#					±0.5pF	GRM0332C1H8R0DA01#
±0.25pF GRM0332C1H8R1CA01# ±0.5pF GRM0332C1H8R1DA01# 8.2pF ±0.05pF GRM0332C1H8R2WA01#				8.1pF	±0.05pF	GRM0332C1H8R1WA01#
±0.5pF GRM0332C1H8R1DA01# 8.2pF ±0.05pF GRM0332C1H8R2WA01#					±0.1pF	GRM0332C1H8R1BA01#
8.2pF ±0.05pF GRM0332C1H8R2WA01#					±0.25pF	GRM0332C1H8R1CA01#
					±0.5pF	GRM0332C1H8R1DA01#
±0.1pF GRM0332C1H8R2BA01#				8.2pF	±0.05pF	GRM0332C1H8R2WA01#
					±0.1pF	GRM0332C1H8R2BA01#

(→ 0.6>	0.3mm	1)	-		•
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	50Vdc	СН	8.2pF	±0.25pF	GRM0332C1H8R2CA01#
				±0.5pF	GRM0332C1H8R2DA01#
			8.3pF	±0.05pF	GRM0332C1H8R3WA01#
				±0.1pF	GRM0332C1H8R3BA01#
				±0.25pF	GRM0332C1H8R3CA01#
				±0.5pF	GRM0332C1H8R3DA01#
			8.4pF	±0.05pF	GRM0332C1H8R4WA01#
				±0.1pF	GRM0332C1H8R4BA01#
				±0.25pF	GRM0332C1H8R4CA01#
				±0.5pF	GRM0332C1H8R4DA01#
			8.5pF	±0.05pF	GRM0332C1H8R5WA01#
				±0.1pF	GRM0332C1H8R5BA01#
				±0.25pF	GRM0332C1H8R5CA01#
				±0.5pF	GRM0332C1H8R5DA01#
			8.6pF	±0.05pF	GRM0332C1H8R6WA01#
				±0.1pF	GRM0332C1H8R6BA01#
				±0.25pF	GRM0332C1H8R6CA01#
				±0.5pF	GRM0332C1H8R6DA01#
			8.7pF	±0.05pF	GRM0332C1H8R7WA01#
				±0.1pF	GRM0332C1H8R7BA01#
				±0.25pF	GRM0332C1H8R7CA01#
				±0.5pF	GRM0332C1H8R7DA01#
			8.8pF	±0.05pF	GRM0332C1H8R8WA01#
				±0.1pF	GRM0332C1H8R8BA01#
				±0.25pF	GRM0332C1H8R8CA01#
				±0.5pF	GRM0332C1H8R8DA01#
			8.9pF	±0.05pF	GRM0332C1H8R9WA01#
				±0.1pF	GRM0332C1H8R9BA01#
					GRM0332C1H8R9CA01#
					GRM0332C1H8R9DA01#
			9.0pF	-	GRM0332C1H9R0WA01#
				±0.1pF	GRM0332C1H9R0BA01#
					GRM0332C1H9R0CA01#
			0.155		GRM0332C1H9R0DA01#
			9.1pF		GRM0332C1H9R1WA01# GRM0332C1H9R1BA01#
				<u> </u>	GRM0332C1H9R1CA01#
					GRM0332C1H9R1DA01#
			9.2pF	· ·	GRM0332C1H9R2WA01#
			3.2pi	<u> </u>	GRM0332C1H9R2BA01#
					GRM0332C1H9R2CA01#
					GRM0332C1H9R2DA01#
			9.3pF		GRM0332C1H9R3WA01#
			·	· ·	GRM0332C1H9R3BA01#
				· ·	GRM0332C1H9R3CA01#
				<u> </u>	GRM0332C1H9R3DA01#
			9.4pF	±0.05pF	GRM0332C1H9R4WA01#
				±0.1pF	GRM0332C1H9R4BA01#
				±0.25pF	GRM0332C1H9R4CA01#
				±0.5pF	GRM0332C1H9R4DA01#
			9.5pF	±0.05pF	GRM0332C1H9R5WA01#
				±0.1pF	GRM0332C1H9R5BA01#
				±0.25pF	GRM0332C1H9R5CA01#
				±0.5pF	GRM0332C1H9R5DA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	50Vdc	СН	9.6pF	±0.05pF	GRM0332C1H9R6WA01#	
				±0.1pF	GRM0332C1H9R6BA01#	
				±0.25pF	GRM0332C1H9R6CA01#	
				±0.5pF	GRM0332C1H9R6DA01#	
			9.7pF	±0.05pF	GRM0332C1H9R7WA01#	
				±0.1pF	GRM0332C1H9R7BA01#	
				±0.25pF	GRM0332C1H9R7CA01#	
				±0.5pF	GRM0332C1H9R7DA01#	
			9.8pF	±0.05pF	GRM0332C1H9R8WA01#	
				±0.1pF	GRM0332C1H9R8BA01#	
				±0.25pF	GRM0332C1H9R8CA01#	
				±0.5pF	GRM0332C1H9R8DA01#	
			9.9pF	±0.05pF	GRM0332C1H9R9WA01#	
				±0.1pF	GRM0332C1H9R9BA01#	
				±0.25pF	GRM0332C1H9R9CA01#	
				±0.5pF	GRM0332C1H9R9DA01#	
			10pF	±2%	GRM0332C1H100GA01#	
				±5%	GRM0332C1H100JA01#	
			12pF	±2%	GRM0332C1H120GA01#	
				±5%	GRM0332C1H120JA01#	
			15pF	±2%	GRM0332C1H150GA01#	
				±5%	GRM0332C1H150JA01#	
			18pF	±2%	GRM0332C1H180GA01#	
				±5%	GRM0332C1H180JA01#	
			22pF	±2%	GRM0332C1H220GA01#	
				±5%	GRM0332C1H220JA01#	
			27pF	±2%	GRM0332C1H270GA01#	
				±5%	GRM0332C1H270JA01#	
			33pF	±2%	GRM0332C1H330GA01#	
				±5%	GRM0332C1H330JA01#	
			39pF	±2%	GRM0332C1H390GA01#	
				±5%	GRM0332C1H390JA01#	
			47pF	±2%	GRM0332C1H470GA01#	
				±5%	GRM0332C1H470JA01#	
			56pF	±2%	GRM0332C1H560GA01#	
				±5%	GRM0332C1H560JA01#	
			68pF	±2%	GRM0332C1H680GA01#	
				±5%	GRM0332C1H680JA01#	
			82pF	±2%	GRM0332C1H820GA01#	
				±5%	GRM0332C1H820JA01#	
			100pF	±2%	GRM0332C1H101GA01#	
				±5%	GRM0332C1H101JA01#	
			120pF	±2%	GRM0332C1H121GA01#	
				±5%	GRM0332C1H121JA01#	
			150pF	±2%	GRM0332C1H151GA01#	
				±5%	GRM0332C1H151JA01#	
			180pF	±2%	GRM0332C1H181GA01#	
			•	±5%	GRM0332C1H181JA01#	
			220pF	±2%	GRM0332C1H221GA01#	
			- 1	±5%	GRM0332C1H221JA01#	
	25Vdc	COG	270pF	±2%	GRM0335C1E271GA01#	
			-· ~P.	±5%	GRM0335C1E271JA01#	
			330pF	±2%	GRM0335C1E331GA01#	
				±5%	GRM0335C1E331JA01#	
					1000001E001JA01#	

(→ 0.6	0.3mm،	1)			
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.33mm	25Vdc	COG	390pF	±2%	GRM0335C1E391GA01#
				±5%	GRM0335C1E391JA01#
			470pF	±2%	GRM0335C1E471GA01#
				±5%	GRM0335C1E471JA01#
			560pF	±2%	GRM0335C1E561GA01#
				±5%	GRM0335C1E561JA01#
			680pF	±2%	GRM0335C1E681GA01#
				±5%	GRM0335C1E681JA01#
			820pF	±2%	GRM0335C1E821GA01#
				±5%	GRM0335C1E821JA01#
			910pF	±2%	GRM0335C1E911GA01#
				±5%	GRM0335C1E911JA01#
			1000pF	±2%	GRM0335C1E102GA01#
				±5%	GRM0335C1E102JA01#
		СН	270pF	±2%	GRM0332C1E271GA01#
				±5%	GRM0332C1E271JA01#
			330pF	±2%	GRM0332C1E331GA01#
				±5%	GRM0332C1E331JA01#
			390pF	±2%	GRM0332C1E391GA01#
				±5%	GRM0332C1E391JA01#
			470pF	±2%	GRM0332C1E471GA01#
				±5%	GRM0332C1E471JA01#
			560pF	±2%	GRM0332C1E561GA01#
				±5%	GRM0332C1E561JA01#
			680pF	±2%	GRM0332C1E681GA01#
				±5%	GRM0332C1E681JA01#

820pF

1000pF

±2%

±5%

±2% ±5% GRM0332C1E821GA01#

GRM0332C1E821JA01#

GRM0332C1E102GA01#

GRM0332C1E102JA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.55mm	100Vdc	COG	0.10pF	±0.05pF	GRM1555C2AR10WA01#	
			0.20pF	±0.05pF	GRM1555C2AR20WA01#	
				±0.1pF	GRM1555C2AR20BA01#	
			0.30pF	±0.05pF	GRM1555C2AR30WA01#	
				±0.1pF	GRM1555C2AR30BA01#	
			0.40pF	±0.05pF	GRM1555C2AR40WA01#	
				±0.1pF	GRM1555C2AR40BA01#	
			0.50pF	±0.05pF	GRM1555C2AR50WA01#	
				±0.1pF	GRM1555C2AR50BA01#	
			0.60pF	±0.05pF	GRM1555C2AR60WA01#	
				±0.1pF	GRM1555C2AR60BA01#	
			0.70pF	±0.05pF	GRM1555C2AR70WA01#	
				±0.1pF	GRM1555C2AR70BA01#	
			0.80pF	±0.05pF	GRM1555C2AR80WA01#	
				±0.1pF	GRM1555C2AR80BA01#	
			0.90pF	±0.05pF	GRM1555C2AR90WA01#	
				±0.1pF	GRM1555C2AR90BA01#	
			1.0pF	±0.05pF	GRM1555C2A1R0WA01#	
				±0.1pF	GRM1555C2A1R0BA01#	

Т	Rated	тс	Cap.	Tol.	Part Number	
max.	Voltage	Code				
0.55mm	100Vdc	COG	1.0pF		GRM1555C2A1R0CA01#	
			1.1pF		GRM1555C2A1R1WA01#	
					GRM1555C2A1R1BA01#	
			1 2-5		GRM1555C2A1R1CA01#	
			1.2pF		GRM1555C2A1R2WA01#	
					GRM1555C2A1R2BA01# GRM1555C2A1R2CA01#	
			1.3pF	· ·	GRM1555C2A1R3WA01#	
			1.561		GRM1555C2A1R3BA01#	
					GRM1555C2A1R3CA01#	
			1.4pF		GRM1555C2A1R4WA01#	
			·		GRM1555C2A1R4BA01#	
					GRM1555C2A1R4CA01#	
			1.5pF		GRM1555C2A1R5WA01#	
			·		GRM1555C2A1R5BA01#	
					GRM1555C2A1R5CA01#	
			1.6pF	±0.05pF	GRM1555C2A1R6WA01#	
				±0.1pF	GRM1555C2A1R6BA01#	
				±0.25pF	GRM1555C2A1R6CA01#	
			1.7pF	±0.05pF	GRM1555C2A1R7WA01#	
				±0.1pF	GRM1555C2A1R7BA01#	
				±0.25pF	GRM1555C2A1R7CA01#	
			1.8pF	±0.05pF	GRM1555C2A1R8WA01#	
				±0.1pF	GRM1555C2A1R8BA01#	
				±0.25pF	GRM1555C2A1R8CA01#	
			1.9pF		GRM1555C2A1R9WA01#	
				±0.1pF	GRM1555C2A1R9BA01#	
				-	GRM1555C2A1R9CA01#	
			2.0pF		GRM1555C2A2R0WA01#	
					GRM1555C2A2R0BA01#	
			24.5		GRM1555C2A2R0CA01#	
			2.1pF		GRM1555C2A2R1WA01#	
					GRM1555C2A2R1BA01#	
			2.2pF		GRM1555C2A2R1CA01# GRM1555C2A2R2WA01#	
			2.2βι		GRM1555C2A2R2BA01#	
					GRM1555C2A2R2CA01#	
			2.3pF		GRM1555C2A2R3WA01#	
			. 1**		GRM1555C2A2R3BA01#	
					GRM1555C2A2R3CA01#	
			2.4pF	±0.05pF	GRM1555C2A2R4WA01#	
				±0.1pF	GRM1555C2A2R4BA01#	
				±0.25pF	GRM1555C2A2R4CA01#	
			2.5pF	±0.05pF	GRM1555C2A2R5WA01#	
				±0.1pF	GRM1555C2A2R5BA01#	
				±0.25pF	GRM1555C2A2R5CA01#	
			2.6pF	±0.05pF	GRM1555C2A2R6WA01#	
				±0.1pF	GRM1555C2A2R6BA01#	
				±0.25pF	GRM1555C2A2R6CA01#	
			2.7pF	±0.05pF	GRM1555C2A2R7WA01#	
				±0.1pF	GRM1555C2A2R7BA01#	
				±0.25pF	GRM1555C2A2R7CA01#	
			2.8pF		GRM1555C2A2R8WA01#	
				±0.1pF	GRM1555C2A2R8BA01#	

(→ 1.0>	0.5mm	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	100Vdc	COG	2.8pF	±0.25pF	GRM1555C2A2R8CA01#	
			2.9pF	±0.05pF	GRM1555C2A2R9WA01#	
				±0.1pF	GRM1555C2A2R9BA01#	
				±0.25pF	GRM1555C2A2R9CA01#	
			3.0pF	±0.05pF	GRM1555C2A3R0WA01#	
				±0.1pF	GRM1555C2A3R0BA01#	
				±0.25pF	GRM1555C2A3R0CA01#	
			3.1pF	±0.05pF	GRM1555C2A3R1WA01#	
				±0.1pF	GRM1555C2A3R1BA01#	
				±0.25pF	GRM1555C2A3R1CA01#	
			3.2pF	±0.05pF	GRM1555C2A3R2WA01#	
				±0.1pF	GRM1555C2A3R2BA01#	
				±0.25pF	GRM1555C2A3R2CA01#	
			3.3pF	±0.05pF	GRM1555C2A3R3WA01#	
				±0.1pF	GRM1555C2A3R3BA01#	
				±0.25pF	GRM1555C2A3R3CA01#	
			3.4pF	±0.05pF	GRM1555C2A3R4WA01#	
				±0.1pF	GRM1555C2A3R4BA01#	
				±0.25pF	GRM1555C2A3R4CA01#	
			3.5pF	±0.05pF	GRM1555C2A3R5WA01#	
				±0.1pF	GRM1555C2A3R5BA01#	
				±0.25pF	GRM1555C2A3R5CA01#	
			3.6pF	±0.05pF	GRM1555C2A3R6WA01#	
				±0.1pF	GRM1555C2A3R6BA01#	
				±0.25pF	GRM1555C2A3R6CA01#	
			3.7pF	±0.05pF	GRM1555C2A3R7WA01#	
				<u> </u>	GRM1555C2A3R7BA01#	
				-	GRM1555C2A3R7CA01#	
			3.8pF	-	GRM1555C2A3R8WA01#	
					GRM1555C2A3R8BA01#	
			20.5	<u> </u>	GRM1555C2A3R8CA01#	
			3.9pF	<u> </u>	GRM1555C2A3R9WA01#	
					GRM1555C2A3R9BA01#	
			4.0pF	· ·	GRM1555C2A3R9CA01#	
			4.0pF		GRM1555C2A4R0WA01#	
					GRM1555C2A4R0BA01#	
			4.1pF	<u> </u>	GRM1555C2A4R0CA01# GRM1555C2A4R1WA01#	
			4.1pi		GRM1555C2A4R1BA01#	
					GRM1555C2A4R1CA01#	
			4.2pF	· ·	GRM1555C2A4R2WA01#	
			p.		GRM1555C2A4R2BA01#	
				· ·	GRM1555C2A4R2CA01#	
			4.3pF	-	GRM1555C2A4R3WA01#	
				-	GRM1555C2A4R3BA01#	
				-	GRM1555C2A4R3CA01#	
			4.4pF	· ·	GRM1555C2A4R4WA01#	
			-	±0.1pF	GRM1555C2A4R4BA01#	
				±0.25pF	GRM1555C2A4R4CA01#	
			4.5pF	±0.05pF	GRM1555C2A4R5WA01#	
				±0.1pF	GRM1555C2A4R5BA01#	
				±0.25pF	GRM1555C2A4R5CA01#	
			4.6pF	±0.05pF	GRM1555C2A4R6WA01#	
				±0.1pF	GRM1555C2A4R6BA01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	100Vdc	COG	4.6pF	±0.25pF	GRM1555C2A4R6CA01#	
			4.7pF	±0.05pF	GRM1555C2A4R7WA01#	
				±0.1pF	GRM1555C2A4R7BA01#	
				±0.25pF	GRM1555C2A4R7CA01#	
			4.8pF	±0.05pF	GRM1555C2A4R8WA01#	
				±0.1pF	GRM1555C2A4R8BA01#	
				±0.25pF	GRM1555C2A4R8CA01#	
			4.9pF	±0.05pF	GRM1555C2A4R9WA01#	
				±0.1pF	GRM1555C2A4R9BA01#	
				±0.25pF	GRM1555C2A4R9CA01#	
			5.0pF	±0.05pF	GRM1555C2A5R0WA01#	
				±0.1pF	GRM1555C2A5R0BA01#	
				±0.25pF	GRM1555C2A5R0CA01#	
			5.1pF	±0.05pF	GRM1555C2A5R1WA01#	
				±0.1pF	GRM1555C2A5R1BA01#	
				±0.25pF	GRM1555C2A5R1CA01#	
				±0.5pF	GRM1555C2A5R1DA01#	
			5.2pF	±0.05pF	GRM1555C2A5R2WA01#	
				±0.1pF	GRM1555C2A5R2BA01#	
				±0.25pF	GRM1555C2A5R2CA01#	
				±0.5pF	GRM1555C2A5R2DA01#	
			5.3pF	±0.05pF	GRM1555C2A5R3WA01#	
				±0.1pF	GRM1555C2A5R3BA01#	
				±0.25pF	GRM1555C2A5R3CA01#	
				±0.5pF	GRM1555C2A5R3DA01#	
			5.4pF	±0.05pF	GRM1555C2A5R4WA01#	
				±0.1pF	GRM1555C2A5R4BA01#	
					GRM1555C2A5R4CA01#	
				±0.5pF	GRM1555C2A5R4DA01#	
			5.5pF		GRM1555C2A5R5WA01#	
				±0.1pF	GRM1555C2A5R5BA01#	
				±0.25pF		
				-	GRM1555C2A5R5DA01#	
			5.6pF		GRM1555C2A5R6WA01#	
					GRM1555C2A5R6BA01#	
					GRM1555C2A5R6CA01#	
			F 7: F		GRM1555C2A5R6DA01#	
			5.7pF		GRM1555C2A5R7WA01#	
				±0.1pF		
					GRM1555C2A5R7CA01#	
			F 0F	· ·	GRM1555C2A5R7DA01#	
			5.8pF	· ·	GRM1555C2A5R8WA01#	
					GRM1555C2A5R8BA01# GRM1555C2A5R8CA01#	
			5.9pF	±0.5pF	GRM1555C2A5R8DA01# GRM1555C2A5R9WA01#	
			J.Jpi	±0.03pF	GRM1555C2A5R9BA01#	
					GRM1555C2A5R9CA01#	
				· ·	GRM1555C2A5R9DA01#	
			6.0pF		GRM1555C2A6R0WA01#	
			- 1		GRM1555C2A6R0BA01#	
					GRM1555C2A6R0CA01#	
				±0.5pF		
			6.1pF	-	GRM1555C2A6R1WA01#	
			P'	opi		

(→ 1.0×0.5mm)

T max. Rated Voltage TC Code Cap. Tol. Part Number 0.55mm 100Vdc COG 6.1pF ±0.1pF GRM1555C2A6R1BA01# ±0.25pF GRM1555C2A6R1CA01# ±0.5pF GRM1555C2A6R2WA01# ±0.1pF GRM1555C2A6R2WA01# ±0.25pF GRM1555C2A6R2CA01# ±0.5pF GRM1555C2A6R3WA01# ±0.05pF GRM1555C2A6R3WA01# ±0.25pF GRM1555C2A6R3CA01# ±0.25pF GRM1555C2A6R3CA01# ±0.5pF GRM1555C2A6R3CA01# ±0.25pF GRM1555C2A6R4CA01# ±0.25pF GRM1555C2A6R4CA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R5CA01# ±0.1pF GRM1555C2A6R5CA01# ±0.25pF GRM1555C2A6R5CA01#	£
±0.25pF GRM1555C2A6R1CA01# ±0.5pF GRM1555C2A6R1DA01# 6.2pF ±0.05pF GRM1555C2A6R2WA01# ±0.1pF GRM1555C2A6R2CA01# ±0.25pF GRM1555C2A6R2CA01# ±0.5pF GRM1555C2A6R2DA01# ±0.1pF GRM1555C2A6R3WA01# ±0.1pF GRM1555C2A6R3CA01# ±0.5pF GRM1555C2A6R3CA01# ±0.5pF GRM1555C2A6R3DA01# ±0.5pF GRM1555C2A6R4WA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R5CA01# ±0.5pF GRM1555C2A6R5CA01#	£
±0.5pF GRM1555C2AGR1DA01# 6.2pF ±0.05pF GRM1555C2AGR2WA01# ±0.1pF GRM1555C2AGR2BA01# ±0.25pF GRM1555C2AGR2CA01# ±0.5pF GRM1555C2AGR3WA01# ±0.1pF GRM1555C2AGR3WA01# ±0.25pF GRM1555C2AGR3CA01# ±0.25pF GRM1555C2AGR3DA01# ±0.5pF GRM1555C2AGR3DA01# ±0.1pF GRM1555C2AGR4WA01# ±0.25pF GRM1555C2AGR4CA01# ±0.25pF GRM1555C2AGR4CA01# ±0.25pF GRM1555C2AGR4CA01# ±0.25pF GRM1555C2AGR4DA01# ±0.5pF GRM1555C2AGR4DA01# ±0.5pF GRM1555C2AGR5CA01# ±0.25pF GRM1555C2AGR5CA01#	<u> </u>
6.2pF ±0.05pF GRM1555C2A6R2WA01a ±0.1pF GRM1555C2A6R2BA01# ±0.25pF GRM1555C2A6R2DA01# ±0.5pF GRM1555C2A6R3WA01a ±0.1pF GRM1555C2A6R3WA01a ±0.1pF GRM1555C2A6R3BA01# ±0.25pF GRM1555C2A6R3DA01# ±0.5pF GRM1555C2A6R3DA01# ±0.1pF GRM1555C2A6R4WA01a ±0.1pF GRM1555C2A6R4CA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R5CA01# ±0.1pF GRM1555C2A6R5CA01# ±0.1pF GRM1555C2A6R5CA01#	‡
±0.1pF GRM1555C2A6R2BA01# ±0.25pF GRM1555C2A6R2CA01# ±0.5pF GRM1555C2A6R2DA01# ±0.05pF GRM1555C2A6R3WA01; ±0.1pF GRM1555C2A6R3BA01# ±0.25pF GRM1555C2A6R3CA01# ±0.5pF GRM1555C2A6R3DA01# ±0.5pF GRM1555C2A6R4WA01; ±0.1pF GRM1555C2A6R4CA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4DA01; ±0.5pF GRM1555C2A6R5CA01# ±0.5pF GRM1555C2A6R5CA01#	t
±0.25pF GRM1555C2A6R2CA01# ±0.5pF GRM1555C2A6R2DA01# 6.3pF ±0.05pF GRM1555C2A6R3WA01# ±0.1pF GRM1555C2A6R3CA01# ±0.25pF GRM1555C2A6R3CA01# ±0.5pF GRM1555C2A6R3DA01# ±0.1pF GRM1555C2A6R4WA01# ±0.1pF GRM1555C2A6R4CA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R5CA01# ±0.1pF GRM1555C2A6R5WA01# ±0.25pF GRM1555C2A6R5CA01#	*
±0.5pF GRM1555C2AGR2DA01# 6.3pF ±0.05pF GRM1555C2AGR3WA01# ±0.1pF GRM1555C2AGR3BA01# ±0.25pF GRM1555C2AGR3CA01# ±0.5pF GRM1555C2AGR3DA01# 6.4pF ±0.05pF GRM1555C2AGR4WA01# ±0.1pF GRM1555C2AGR4CA01# ±0.25pF GRM1555C2AGR4DA01# ±0.5pF GRM1555C2AGR4DA01# ±0.5pF GRM1555C2AGR5CA01# ±0.05pF GRM1555C2AGR5CA01# ±0.25pF GRM1555C2AGR5CA01#	F
6.3pF ±0.05pF GRM1555C2A6R3WA01a ±0.1pF GRM1555C2A6R3BA01# ±0.25pF GRM1555C2A6R3CA01# ±0.5pF GRM1555C2A6R3DA01# 6.4pF ±0.05pF GRM1555C2A6R4WA01a ±0.1pF GRM1555C2A6R4BA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4DA01# ±0.5pF GRM1555C2A6R5CA01#	ŧ
±0.1pF GRM1555C2A6R3BA01# ±0.25pF GRM1555C2A6R3CA01# ±0.5pF GRM1555C2A6R3DA01# ±0.05pF GRM1555C2A6R4WA01# ±0.1pF GRM1555C2A6R4BA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4DA01# ±0.5pF GRM1555C2A6R5CA01# ±0.1pF GRM1555C2A6R5BA01# ±0.25pF GRM1555C2A6R5CA01#	
±0.25pF GRM1555C2A6R3CA01# ±0.5pF GRM1555C2A6R3DA01# 6.4pF ±0.05pF GRM1555C2A6R4WA01: ±0.1pF GRM1555C2A6R4CA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4DA01# ±0.5pF GRM1555C2A6R5CA01# ±0.1pF GRM1555C2A6R5CA01# ±0.25pF GRM1555C2A6R5CA01#	
±0.5pF GRM1555C2A6R3DA01# 6.4pF ±0.05pF GRM1555C2A6R4WA01# ±0.1pF GRM1555C2A6R4BA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4DA01# ±0.5pF GRM1555C2A6R5WA01# ±0.1pF GRM1555C2A6R5BA01# ±0.25pF GRM1555C2A6R5CA01#	_
6.4pF ±0.05pF GRM1555C2A6R4WA01a ±0.1pF GRM1555C2A6R4BA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4DA01# 6.5pF ±0.05pF GRM1555C2A6R5WA01a ±0.1pF GRM1555C2A6R5BA01# ±0.25pF GRM1555C2A6R5CA01#	
±0.1pF GRM1555C2A6R4BA01# ±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4DA01# 6.5pF ±0.05pF GRM1555C2A6R5WA01# ±0.1pF GRM1555C2A6R5BA01# ±0.25pF GRM1555C2A6R5CA01#	
±0.25pF GRM1555C2A6R4CA01# ±0.5pF GRM1555C2A6R4DA01# 6.5pF ±0.05pF GRM1555C2A6R5WA01# ±0.1pF GRM1555C2A6R5BA01# ±0.25pF GRM1555C2A6R5CA01#	ŧ
±0.5pF GRM1555C2A6R4DA01# 6.5pF ±0.05pF GRM1555C2A6R5WA01# ±0.1pF GRM1555C2A6R5BA01# ±0.25pF GRM1555C2A6R5CA01#	
6.5pF ±0.05pF GRM1555C2A6R5WA01 ; ±0.1pF GRM1555C2A6R5BA01 # ±0.25pF GRM1555C2A6R5CA01 #	
±0.1pF	
±0.25pF GRM1555C2A6R5CA01#	ŧ
0.5 5	
±0.5pF GRM1555C2A6R5DA01 #	
6.6pF ±0.05pF GRM1555C2A6R6WA01	ŧ
±0.1pF GRM1555C2A6R6BA01 #	
±0.25pF GRM1555C2A6R6CA01 #	
±0.5pF GRM1555C2A6R6DA01 #	
6.7pF ±0.05pF GRM1555C2A6R7WA01	ŧ
±0.1pF GRM1555C2A6R7BA01 #	
±0.25pF GRM1555C2A6R7CA01 #	
±0.5pF GRM1555C2A6R7DA01 #	
6.8pF ±0.05pF GRM1555C2A6R8WA01	ŧ
±0.1pF GRM1555C2A6R8BA01#	
±0.25pF GRM1555C2A6R8CA01 #	
±0.5pF GRM1555C2A6R8DA01 #	
6.9pF ±0.05pF GRM1555C2A6R9WA01	ŧ
±0.1pF GRM1555C2A6R9BA01#	
±0.25pF GRM1555C2A6R9CA01 #	
±0.5pF GRM1555C2A6R9DA01 #	
7.0pF ±0.05pF GRM1555C2A7R0WA01	ŧ .
±0.1pF GRM1555C2A7R0BA01#	
±0.25pF GRM1555C2A7R0CA01 #	
±0.5pF GRM1555C2A7R0DA01 #	
7.1pF ±0.05pF GRM1555C2A7R1WA01	ŧ
±0.1pF GRM1555C2A7R1BA01#	
±0.25pF GRM1555C2A7R1CA01 #	
±0.5pF GRM1555C2A7R1DA01 #	
7.2pF ±0.05pF GRM1555C2A7R2WA01	_
±0.1pF GRM1555C2A7R2BA01#	
±0.25pF GRM1555C2A7R2CA01 #	
±0.5pF GRM1555C2A7R2DA01 #	_
7.3pF ±0.05pF GRM1555C2A7R3WA01	_
±0.1pF GRM1555C2A7R3BA01#	
±0.25pF GRM1555C2A7R3CA01 #	
±0.5pF GRM1555C2A7R3DA01 #	
7.4pF ±0.05pF GRM1555C2A7R4WA01	ŧ .
±0.1pF GRM1555C2A7R4BA01#	
±0.25pF GRM1555C2A7R4CA01#	_

T Rated max. Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm 100Vdc	COG	7.4pF	±0.5pF	GRM1555C2A7R4DA01#
		7.5pF	±0.05pF	GRM1555C2A7R5WA01#
			±0.1pF	GRM1555C2A7R5BA01#
			±0.25pF	GRM1555C2A7R5CA01#
			±0.5pF	GRM1555C2A7R5DA01#
		7.6pF	±0.05pF	GRM1555C2A7R6WA01#
			±0.1pF	GRM1555C2A7R6BA01#
			±0.25pF	GRM1555C2A7R6CA01#
			±0.5pF	GRM1555C2A7R6DA01#
		7.7pF	±0.05pF	GRM1555C2A7R7WA01#
			±0.1pF	GRM1555C2A7R7BA01#
			±0.25pF	GRM1555C2A7R7CA01#
			±0.5pF	GRM1555C2A7R7DA01#
		7.8pF	±0.05pF	GRM1555C2A7R8WA01#
			±0.1pF	GRM1555C2A7R8BA01#
			±0.25pF	GRM1555C2A7R8CA01#
			±0.5pF	GRM1555C2A7R8DA01#
		7.9pF	±0.05pF	GRM1555C2A7R9WA01#
			±0.1pF	GRM1555C2A7R9BA01#
			±0.25pF	GRM1555C2A7R9CA01#
			±0.5pF	GRM1555C2A7R9DA01#
		8.0pF	±0.05pF	GRM1555C2A8R0WA01#
			±0.1pF	GRM1555C2A8R0BA01#
			±0.25pF	GRM1555C2A8R0CA01#
			±0.5pF	GRM1555C2A8R0DA01#
		8.1pF	±0.05pF	GRM1555C2A8R1WA01#
			±0.1pF	GRM1555C2A8R1BA01#
				GRM1555C2A8R1CA01#
				GRM1555C2A8R1DA01#
		8.2pF		GRM1555C2A8R2WA01#
			±0.1pF	GRM1555C2A8R2BA01#
				GRM1555C2A8R2CA01#
				GRM1555C2A8R2DA01#
		8.3pF		GRM1555C2A8R3WA01#
			-	GRM1555C2A8R3BA01#
				GRM1555C2A8R3CA01#
		0 /nE		GRM1555C2A8R3DA01#
		8.4pF		GRM1555C2A8R4WA01# GRM1555C2A8R4BA01#
				GRM1555C2A8R4CA01#
				GRM1555C2A8R4DA01#
		8.5pF		GRM1555C2A8R5WA01#
		0.5рі	· ·	GRM1555C2A8R5BA01#
			-	GRM1555C2A8R5CA01#
				GRM1555C2A8R5DA01#
		8.6pF		GRM1555C2A8R6WA01#
		•	· ·	GRM1555C2A8R6BA01#
				GRM1555C2A8R6CA01#
			±0.5pF	GRM1555C2A8R6DA01#
		8.7pF	±0.05pF	GRM1555C2A8R7WA01#
			±0.1pF	GRM1555C2A8R7BA01#
			±0.25pF	GRM1555C2A8R7CA01#
			±0.5pF	GRM1555C2A8R7DA01#
		8.8pF	±0.05pF	GRM1555C2A8R8WA01#
		_		

(→ 1.0)	0.5mm	1)	-		·
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	100Vdc	COG	8.8pF	±0.1pF	GRM1555C2A8R8BA01#
				±0.25pF	GRM1555C2A8R8CA01#
				±0.5pF	GRM1555C2A8R8DA01#
			8.9pF	±0.05pF	GRM1555C2A8R9WA01#
				±0.1pF	GRM1555C2A8R9BA01#
				±0.25pF	GRM1555C2A8R9CA01#
				±0.5pF	GRM1555C2A8R9DA01#
			9.0pF	±0.05pF	GRM1555C2A9R0WA01#
				±0.1pF	GRM1555C2A9R0BA01#
				±0.25pF	GRM1555C2A9R0CA01#
				±0.5pF	GRM1555C2A9R0DA01#
			9.1pF	±0.05pF	GRM1555C2A9R1WA01#
				±0.1pF	GRM1555C2A9R1BA01#
				±0.25pF	GRM1555C2A9R1CA01#
				±0.5pF	GRM1555C2A9R1DA01#
			9.2pF	±0.05pF	GRM1555C2A9R2WA01#
				±0.1pF	GRM1555C2A9R2BA01#
				±0.25pF	GRM1555C2A9R2CA01#
				±0.5pF	GRM1555C2A9R2DA01#
			9.3pF	±0.05pF	GRM1555C2A9R3WA01#
				±0.1pF	GRM1555C2A9R3BA01#
				±0.25pF	GRM1555C2A9R3CA01#
				±0.5pF	GRM1555C2A9R3DA01#
			9.4pF	±0.05pF	GRM1555C2A9R4WA01#
				±0.1pF	GRM1555C2A9R4BA01#
				±0.25pF	GRM1555C2A9R4CA01#
				±0.5pF	GRM1555C2A9R4DA01#
			9.5pF	±0.05pF	GRM1555C2A9R5WA01#
				±0.1pF	GRM1555C2A9R5BA01#
				±0.25pF	GRM1555C2A9R5CA01#
				±0.5pF	GRM1555C2A9R5DA01#
			9.6pF	±0.05pF	GRM1555C2A9R6WA01#
				±0.1pF	GRM1555C2A9R6BA01#
				±0.25pF	GRM1555C2A9R6CA01#
				±0.5pF	GRM1555C2A9R6DA01#
			9.7pF	±0.05pF	GRM1555C2A9R7WA01#
				±0.1pF	GRM1555C2A9R7BA01#
				±0.25pF	GRM1555C2A9R7CA01#
				±0.5pF	GRM1555C2A9R7DA01#
			9.8pF	±0.05pF	GRM1555C2A9R8WA01#
				±0.1pF	GRM1555C2A9R8BA01#
				±0.25pF	GRM1555C2A9R8CA01#
				±0.5pF	GRM1555C2A9R8DA01#
			9.9pF	±0.05pF	GRM1555C2A9R9WA01#
				±0.1pF	GRM1555C2A9R9BA01#
				±0.25pF	GRM1555C2A9R9CA01#
				±0.5pF	GRM1555C2A9R9DA01#
			10pF	±2%	GRM1555C2A100GA01#
				±5%	GRM1555C2A100JA01#
			12pF	±2%	GRM1555C2A120GA01#
				±5%	GRM1555C2A120JA01#
			15pF	±2%	GRM1555C2A150GA01#
				±5%	GRM1555C2A150JA01#
			18pF	±2%	GRM1555C2A180GA01#

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T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.55mm	100Vdc	COG	18pF	±5%	GRM1555C2A180JA01#	
			22pF	±2%	GRM1555C2A220GA01#	
				±5%	GRM1555C2A220JA01#	
			27pF	±2%	GRM1555C2A270GA01#	
				±5%	GRM1555C2A270JA01#	
			33pF	±2%	GRM1555C2A330GA01#	
				±5%	GRM1555C2A330JA01#	
			39pF	±2%	GRM1555C2A390GA01#	
				±5%	GRM1555C2A390JA01#	
			47pF	±2%	GRM1555C2A470GA01#	
				±5%	GRM1555C2A470JA01#	
			56pF	±2%	GRM1555C2A560GA01#	
				±5%	GRM1555C2A560JA01#	
			68pF	±2%	GRM1555C2A680GA01#	
				±5%	GRM1555C2A680JA01#	
			82pF	±2%	GRM1555C2A820GA01#	
				±5%	GRM1555C2A820JA01#	
			100pF	±2%	GRM1555C2A101GA01#	
				±5%	GRM1555C2A101JA01#	
		CK	0.10pF	±0.05pF	GRM1554C2AR10WA01#	
			0.20pF	±0.05pF	GRM1554C2AR20WA01#	
				±0.1pF	GRM1554C2AR20BA01#	
			0.30pF	±0.05pF	GRM1554C2AR30WA01#	
				±0.1pF	GRM1554C2AR30BA01#	
			0.40pF	-	GRM1554C2AR40WA01#	
				±0.1pF	GRM1554C2AR40BA01#	
			0.50pF		GRM1554C2AR50WA01#	
				±0.1pF	GRM1554C2AR50BA01#	
			0.60pF		GRM1554C2AR60WA01#	
			0.70-5	±0.1pF	GRM1554C2AR60BA01#	
			0.70pF		GRM1554C2AR70WA01# GRM1554C2AR70BA01#	
			0.905	±0.1pF		
			0.80pF	±0.05pF	GRM1554C2AR80WA01#	
			0.90pF	•	GRM1554C2AR80BA01# GRM1554C2AR90WA01#	
			0.эорг		GRM1554C2AR90BA01#	
			1.0pF		GRM1554C2A1R0WA01#	
			1.0рі		GRM1554C2A1R0BA01#	
					GRM1554C2A1R0CA01#	
			1.1pF	•	GRM1554C2A1R1WA01#	
			2.26.	<u> </u>	GRM1554C2A1R1BA01#	
					GRM1554C2A1R1CA01#	
			1.2pF		GRM1554C2A1R2WA01#	
			2.26.		GRM1554C2A1R2BA01#	
					GRM1554C2A1R2CA01#	
			1.3pF		GRM1554C2A1R3WA01#	
			- 1	±0.1pF		
					GRM1554C2A1R3CA01#	
			1.4pF	-	GRM1554C2A1R4WA01#	
			-	±0.1pF		
				±0.25pF	GRM1554C2A1R4CA01#	
			1.5pF	±0.05pF	GRM1554C2A1R5WA01#	
				±0.1pF	GRM1554C2A1R5BA01#	
				±0.25pF	GRM1554C2A1R5CA01#	

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GRM Series Temperature Compensating Type Part Number List

(→ 1.0×	0.5mm	1)			
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.55mm	100Vdc	ск	1.6pF	±0.05pF	GRM1554C2A1R6WA01#
				±0.1pF	GRM1554C2A1R6BA01#
				±0.25pF	GRM1554C2A1R6CA01#
			1.7pF	±0.05pF	GRM1554C2A1R7WA01#
				±0.1pF	GRM1554C2A1R7BA01#
				±0.25pF	GRM1554C2A1R7CA01#
			1.8pF	±0.05pF	GRM1554C2A1R8WA01#
				±0.1pF	GRM1554C2A1R8BA01#
				±0.25pF	GRM1554C2A1R8CA01#
			1.9pF	±0.05pF	GRM1554C2A1R9WA01#
				±0.1pF	GRM1554C2A1R9BA01#
				±0.25pF	GRM1554C2A1R9CA01#
			2.0pF	±0.05pF	GRM1554C2A2R0WA01#
				±0.1pF	GRM1554C2A2R0BA01#
				±0.25pF	GRM1554C2A2R0CA01#
		C1	2.1pF	±0.05pF	GRM1553C2A2R1WA01#
				±0.1pF	GRM1553C2A2R1BA01#
				±0.25pF	GRM1553C2A2R1CA01#
			2.2pF	±0.05pF	GRM1553C2A2R2WA01#
				±0.1pF	GRM1553C2A2R2BA01#
				±0.25pF	GRM1553C2A2R2CA01#
			2.3pF	±0.05pF	GRM1553C2A2R3WA01#
				±0.1pF	GRM1553C2A2R3BA01#
				±0.25pF	GRM1553C2A2R3CA01#
			2.4pF	±0.05pF	GRM1553C2A2R4WA01#
				±0.1pF	GRM1553C2A2R4BA01#
				±0.25pF	GRM1553C2A2R4CA01#
			2.5pF	±0.05pF	GRM1553C2A2R5WA01#
				±0.1pF	GRM1553C2A2R5BA01#
				±0.25pF	GRM1553C2A2R5CA01#
			2.6pF	±0.05pF	GRM1553C2A2R6WA01#
				±0.1pF	GRM1553C2A2R6BA01#
				±0.25pF	GRM1553C2A2R6CA01#
			2.7pF	±0.05pF	GRM1553C2A2R7WA01#
				±0.1pF	GRM1553C2A2R7BA01#
				±0.25pF	GRM1553C2A2R7CA01#
			2.8pF	±0.05pF	GRM1553C2A2R8WA01#
				±0.1pF	GRM1553C2A2R8BA01#
				±0.25pF	GRM1553C2A2R8CA01#
			2.9pF	±0.05pF	GRM1553C2A2R9WA01#
				±0.1pF	GRM1553C2A2R9BA01#
				±0.25pF	GRM1553C2A2R9CA01#
			3.0pF	±0.05pF	GRM1553C2A3R0WA01#
				±0.1pF	GRM1553C2A3R0BA01#
					GRM1553C2A3R0CA01#
			3.1pF	-	GRM1553C2A3R1WA01#
				· ·	GRM1553C2A3R1BA01#
			22 -		GRM1553C2A3R1CA01#
			3.2pF	-	GRM1553C2A3R2WA01#
					GRM1553C2A3R2BA01#
				<u> </u>	GRM1553C2A3R2CA01#
			3.3pF	-	GRM1553C2A3R3WA01#
					GRM1553C2A3R3BA01#
				±0.25pF	GRM1553C2A3R3CA01#

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T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	100Vdc	C1	3.4pF	±0.05pF	GRM1553C2A3R4WA01#	
				±0.1pF	GRM1553C2A3R4BA01#	
					GRM1553C2A3R4CA01#	
			3.5pF		GRM1553C2A3R5WA01#	
					GRM1553C2A3R5BA01#	
					GRM1553C2A3R5CA01#	
			3.6pF		GRM1553C2A3R6WA01#	
					GRM1553C2A3R6BA01#	
				· ·	GRM1553C2A3R6CA01#	
			3.7pF	<u> </u>	GRM1553C2A3R7WA01#	
				±0.1pF	GRM1553C2A3R7BA01#	
					GRM1553C2A3R7CA01#	
			3.8pF	- '	GRM1553C2A3R8WA01#	
					GRM1553C2A3R8BA01#	
			20.5		GRM1553C2A3R8CA01#	
			3.9pF	- '	GRM1553C2A3R9WA01#	
					GRM1553C2A3R9BA01#	
		011	10.5		GRM1553C2A3R9CA01#	
		СН	4.0pF		GRM1552C2A4R0WA01#	
					GRM1552C2A4R0BA01#	
			4155		GRM1552C2A4R0CA01#	
			4.1pF	· ·	GRM1552C2A4R1WA01# GRM1552C2A4R1BA01#	
					GRM1552C2A4R1CA01#	
			4.2pF		GRM1552C2A4R2WA01#	
			ч.2рі	±0.1pF	GRM1552C2A4R2BA01#	—
					GRM1552C2A4R2CA01#	
			4.3pF	-	GRM1552C2A4R3WA01#	—
					GRM1552C2A4R3BA01#	
					GRM1552C2A4R3CA01#	_
			4.4pF	±0.05pF	GRM1552C2A4R4WA01#	
				±0.1pF	GRM1552C2A4R4BA01#	_
				±0.25pF	GRM1552C2A4R4CA01#	
			4.5pF	±0.05pF	GRM1552C2A4R5WA01#	_
				±0.1pF	GRM1552C2A4R5BA01#	
				±0.25pF	GRM1552C2A4R5CA01#	
			4.6pF	±0.05pF	GRM1552C2A4R6WA01#	
				±0.1pF	GRM1552C2A4R6BA01#	
				±0.25pF	GRM1552C2A4R6CA01#	
			4.7pF	±0.05pF	GRM1552C2A4R7WA01#	
				±0.1pF	GRM1552C2A4R7BA01#	
				±0.25pF	GRM1552C2A4R7CA01#	
			4.8pF	±0.05pF	GRM1552C2A4R8WA01#	
				±0.1pF	GRM1552C2A4R8BA01#	
				±0.25pF	GRM1552C2A4R8CA01#	
			4.9pF	±0.05pF	GRM1552C2A4R9WA01#	
					GRM1552C2A4R9BA01#	
					GRM1552C2A4R9CA01#	
			5.0pF	· ·	GRM1552C2A5R0WA01#	
					GRM1552C2A5R0BA01#	
				-	GRM1552C2A5R0CA01#	
			5.1pF		GRM1552C2A5R1WA01#	
					GRM1552C2A5R1BA01#	
				±0.25pF	GRM1552C2A5R1CA01#	

(→ 1.0	0.5mm	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	100Vdc	СН	5.1pF	±0.5pF	GRM1552C2A5R1DA01#
			5.2pF	±0.05pF	GRM1552C2A5R2WA01#
				±0.1pF	GRM1552C2A5R2BA01#
				±0.25pF	GRM1552C2A5R2CA01#
				±0.5pF	GRM1552C2A5R2DA01#
			5.3pF	±0.05pF	GRM1552C2A5R3WA01#
				±0.1pF	GRM1552C2A5R3BA01#
				±0.25pF	GRM1552C2A5R3CA01#
				±0.5pF	GRM1552C2A5R3DA01#
			5.4pF	±0.05pF	GRM1552C2A5R4WA01#
				±0.1pF	GRM1552C2A5R4BA01#
				±0.25pF	GRM1552C2A5R4CA01#
				±0.5pF	GRM1552C2A5R4DA01#
			5.5pF	±0.05pF	GRM1552C2A5R5WA01#
				±0.1pF	GRM1552C2A5R5BA01#
				±0.25pF	GRM1552C2A5R5CA01#
				±0.5pF	GRM1552C2A5R5DA01#
			5.6pF	±0.05pF	GRM1552C2A5R6WA01#
				±0.1pF	GRM1552C2A5R6BA01#
				±0.25pF	GRM1552C2A5R6CA01#
				±0.5pF	GRM1552C2A5R6DA01#
			5.7pF	±0.05pF	GRM1552C2A5R7WA01#
				±0.1pF	GRM1552C2A5R7BA01#
				±0.25pF	GRM1552C2A5R7CA01#
				±0.5pF	GRM1552C2A5R7DA01#
			5.8pF	±0.05pF	GRM1552C2A5R8WA01#
				±0.1pF	GRM1552C2A5R8BA01#
				±0.25pF	GRM1552C2A5R8CA01#
				· ·	GRM1552C2A5R8DA01#
			5.9pF		GRM1552C2A5R9WA01#
				±0.1pF	GRM1552C2A5R9BA01#
				<u> </u>	GRM1552C2A5R9CA01#
				±0.5pF	GRM1552C2A5R9DA01#
			6.0pF		GRM1552C2A6R0WA01#
				<u> </u>	GRM1552C2A6R0BA01#
					GRM1552C2A6R0CA01#
			61-5	-	GRM1552C2A6R0DA01#
			6.1pF		GRM1552C2A6R1WA01#
				±0.1pF	GRM1552C2A6R1BA01#
					GRM1552C2A6R1CA01# GRM1552C2A6R1DA01#
			6.2pF	· ·	GRM1552C2A6R1DA01#
			0.201		GRM1552C2A6R2BA01#
					GRM1552C2A6R2CA01#
				-	GRM1552C2A6R2DA01#
			6.3pF	-	GRM1552C2A6R3WA01#
			- 1**	±0.1pF	GRM1552C2A6R3BA01#
				-	GRM1552C2A6R3CA01#
				·	GRM1552C2A6R3DA01#
			6.4pF		GRM1552C2A6R4WA01#
			·		GRM1552C2A6R4BA01#
				-	GRM1552C2A6R4CA01#
				· ·	GRM1552C2A6R4DA01#
			6.5pF	±0.05pF	GRM1552C2A6R5WA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	100Vdc	СН	6.5pF	±0.1pF	GRM1552C2A6R5BA01#	
				±0.25pF	GRM1552C2A6R5CA01#	
				±0.5pF	GRM1552C2A6R5DA01#	
			6.6pF	±0.05pF	GRM1552C2A6R6WA01#	
				±0.1pF	GRM1552C2A6R6BA01#	
				±0.25pF	GRM1552C2A6R6CA01#	
				±0.5pF	GRM1552C2A6R6DA01#	
			6.7pF	±0.05pF	GRM1552C2A6R7WA01#	
				±0.1pF	GRM1552C2A6R7BA01#	
				±0.25pF	GRM1552C2A6R7CA01#	
				±0.5pF	GRM1552C2A6R7DA01#	
			6.8pF	±0.05pF	GRM1552C2A6R8WA01#	
				±0.1pF	GRM1552C2A6R8BA01#	
				±0.25pF	GRM1552C2A6R8CA01#	
				±0.5pF	GRM1552C2A6R8DA01#	
			6.9pF	±0.05pF	GRM1552C2A6R9WA01#	
				±0.1pF	GRM1552C2A6R9BA01#	
				±0.25pF	GRM1552C2A6R9CA01#	
				±0.5pF	GRM1552C2A6R9DA01#	
			7.0pF	±0.05pF	GRM1552C2A7R0WA01#	
				±0.1pF	GRM1552C2A7R0BA01#	
				±0.25pF	GRM1552C2A7R0CA01#	
				±0.5pF	GRM1552C2A7R0DA01#	
			7.1pF	±0.05pF	GRM1552C2A7R1WA01#	
				±0.1pF	GRM1552C2A7R1BA01#	
				±0.25pF	GRM1552C2A7R1CA01#	
				±0.5pF	GRM1552C2A7R1DA01#	
			7.2pF	±0.05pF	GRM1552C2A7R2WA01#	
				±0.1pF	GRM1552C2A7R2BA01#	
					GRM1552C2A7R2CA01#	
				±0.5pF	GRM1552C2A7R2DA01#	
			7.3pF		GRM1552C2A7R3WA01#	
					GRM1552C2A7R3BA01#	
					GRM1552C2A7R3CA01#	
					GRM1552C2A7R3DA01#	
			7.4pF		GRM1552C2A7R4WA01#	
				±0.1pF	GRM1552C2A7R4BA01#	
					GRM1552C2A7R4CA01#	
			75.5	±0.5pF	GRM1552C2A7R4DA01#	
			7.5pF		GRM1552C2A7R5WA01#	
					GRM1552C2A7R5BA01#	
					GRM1552C2A7R5CA01#	
			7.65	±0.5pF	GRM1552C2A7R5DA01#	
			7.6pF	-	GRM1552C2A7R6WA01#	
				±0.1pF	GRM1552C2A7R6BA01#	
				-	GRM1552C2A7R6CA01#	
			7 755	±0.5pF	GRM1552C2A7R6DA01#	
			7.7pF	-	GRM1552C2A7R7WA01# GRM1552C2A7R7BA01#	
					GRM1552C2A7R7CA01#	
			7.8pF	±0.5pF	GRM1552C2A7R7DA01# GRM1552C2A7R8WA01#	
			т.орг	±0.05pF	GRM1552C2A7R8WA01#	
					GRM1552C2A7R8CA01#	
				JP1		

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GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

(→ 1.0)	0.5mm،	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	100Vdc	СН	7.8pF	±0.5pF	GRM1552C2A7R8DA01#
			7.9pF	±0.05pF	GRM1552C2A7R9WA01#
				±0.1pF	GRM1552C2A7R9BA01#
				±0.25pF	GRM1552C2A7R9CA01#
				±0.5pF	GRM1552C2A7R9DA01#
			8.0pF	±0.05pF	GRM1552C2A8R0WA01#
				±0.1pF	GRM1552C2A8R0BA01#
				±0.25pF	GRM1552C2A8R0CA01#
				±0.5pF	GRM1552C2A8R0DA01#
			8.1pF	-	GRM1552C2A8R1WA01#
			· ·		GRM1552C2A8R1BA01#
					GRM1552C2A8R1CA01#
					GRM1552C2A8R1DA01#
			0 2nE		GRM1552C2A8R2WA01#
			8.2pF		
					GRM1552C2A8R2BA01#
					GRM1552C2A8R2CA01#
					GRM1552C2A8R2DA01#
			8.3pF	±0.05pF	GRM1552C2A8R3WA01#
				±0.1pF	GRM1552C2A8R3BA01#
				±0.25pF	GRM1552C2A8R3CA01#
				±0.5pF	GRM1552C2A8R3DA01#
			8.4pF	±0.05pF	GRM1552C2A8R4WA01#
				±0.1pF	GRM1552C2A8R4BA01#
				±0.25pF	GRM1552C2A8R4CA01#
				±0.5pF	GRM1552C2A8R4DA01#
			8.5pF	±0.05pF	GRM1552C2A8R5WA01#
				±0.1pF	GRM1552C2A8R5BA01#
				±0.25pF	GRM1552C2A8R5CA01#
				±0.5pF	GRM1552C2A8R5DA01#
			8.6pF	±0.05pF	GRM1552C2A8R6WA01#
				±0.1pF	GRM1552C2A8R6BA01#
				±0.25pF	GRM1552C2A8R6CA01#
				±0.5pF	GRM1552C2A8R6DA01#
			8.7pF	±0.05pF	GRM1552C2A8R7WA01#
			·		GRM1552C2A8R7BA01#
					GRM1552C2A8R7CA01#
					GRM1552C2A8R7DA01#
			8.8pF	-	GRM1552C2A8R8WA01#
			0.00.		GRM1552C2A8R8BA01#
				<u> </u>	GRM1552C2A8R8CA01#
					GRM1552C2A8R8DA01#
			Q OpE	· ·	
			8.9pF		GRM1552C2A8R9WA01#
					GRM1552C2A8R9BA01#
				-	GRM1552C2A8R9CA01#
				-	GRM1552C2A8R9DA01#
			9.0pF		GRM1552C2A9R0WA01#
				-	GRM1552C2A9R0BA01#
				±0.25pF	GRM1552C2A9R0CA01#
				±0.5pF	GRM1552C2A9R0DA01#
			9.1pF	±0.05pF	GRM1552C2A9R1WA01#
				±0.1pF	GRM1552C2A9R1BA01#
				±0.25pF	GRM1552C2A9R1CA01#
				±0.5pF	GRM1552C2A9R1DA01#
			9.2pF	±0.05pF	GRM1552C2A9R2WA01#
			· ·		

100Vdc CH 9.2pF 10.1pF GRM1552C2A9R2BA01# 10.5pF GRM1552C2A9R2CA01# 10.5pF GRM1552C2A9R2CA01# 10.5pF GRM1552C2A9R3BA01# 10.5pF GRM1552C2A100A01# 10.5pF GRM1552C2A30QA01# 10.5pF GRM1552C2A30QA0A01# 10.5pF GRM1552C2A30QA0A01# 10.5pF GRM1552C2A30QA0A01# 10.5pF GRM1552C2A30Q	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
### 10.5pF GRM1552C2A9R3WA01# ### 20.5pF GRM1552C2A9R4WA01# ### 20.5pF GRM1552C2A9R4WA01# ### 20.5pF GRM1552C2A9R4WA01# ### 20.5pF GRM1552C2A9R4WA01# ### 20.5pF GRM1552C2A9R5WA01# ### 20.5pF GRM1552C2A9R6WA01# ### 20.5pF GRM1552C2A9R7WA01# ### 20.5pF GRM1552C2A9R7WA01# ### 20.5pF GRM1552C2A9R7WA01# ### 20.5pF GRM1552C2A9R8WA01# #### 20.5pF GRM1552C2A9R9WA01# #### 20.5pF GRM1552C2A10QA01# #### 20.5pF GRM1552CA30QA01# #### 20.5pF GRM1552CA30QA001# #### 20.5pF GRM1552CA30QA001# #### 20.5pF GRM1552CA30Q	0.55mm	100Vdc	СН	9.2pF	±0.1pF	GRM1552C2A9R2BA01#
9.3pF ±0.05pF GRM1552C2A9R3WA01# ±0.1pF GRM1552C2A9R3BA01# ±0.5pF GRM1552C2A9R3DA01# ±0.5pF GRM1552C2A9R3DA01# ±0.5pF GRM1552C2A9R4WA01# ±0.5pF GRM1552C2A9R4WA01# ±0.5pF GRM1552C2A9R4DA01# ±0.5pF GRM1552C2A9R5WA01# ±0.5pF GRM1552C2A9R5WA01# ±0.5pF GRM1552C2A9R5WA01# ±0.5pF GRM1552C2A9R5WA01# ±0.5pF GRM1552C2A9R5WA01# ±0.5pF GRM1552C2A9R5WA01# ±0.5pF GRM1552C2A9R6WA01# ±0.5pF GRM1552C2A9R7WA01# ±0.5pF GRM1552C2A9R5WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R9WA01# ±0.5pF GRM1552C2A9R9DA01# ±0.5pF GRM1552C2A9R9DA01# ±0.5pF GRM1552C2A9R9DA01# ±0.5pF GRM1552C2A9R0A01# ±0.5pF GRM1552C2A100A01# ±0.5pF GRM1552C2A10A0A01# ±0.5pF GRM1552C2A2A0A0A01# ±0.5pF GRM1552C2A2A0A0A01# ±0.5pF GRM1552C2A2A0A0A01# ±0.5pF GRM1552C2A2A					±0.25pF	GRM1552C2A9R2CA01#
#0.1pF GRM1552C2A9R3BA01# ±0.2pF GRM1552C2A9R3CA01# ±0.5pF GRM1552C2A9R3CA01# ±0.2pF GRM1552C2A9R4WA01# ±0.2pF GRM1552C2A9R4WA01# ±0.2pF GRM1552C2A9R4WA01# ±0.2pF GRM1552C2A9R4BA01# ±0.2pF GRM1552C2A9R5BA01# ±0.2pF GRM1552C2A9R5BA01# ±0.2pF GRM1552C2A9R5BA01# ±0.2pF GRM1552C2A9R5BA01# ±0.2pF GRM1552C2A9R5BA01# ±0.2pF GRM1552C2A9R6BA01# ±0.2pF GRM1552C2A9R6BA01# ±0.2pF GRM1552C2A9R6BA01# ±0.2pF GRM1552C2A9R6BA01# ±0.2pF GRM1552C2A9R6BA01# ±0.2pF GRM1552C2A9R7WA01# ±0.2pF GRM1552C2A9R7WA01# ±0.2pF GRM1552C2A9R8WA01# ±0.2pF GRM1552C2A9R9WA01# ±0.2pF GRM1552C2A9R0A01# ±0.2pF GRM1552C2A10GA01# ±5% GRM1552C2A20GA01# ±5% GRM1552C2A20GA01# ±5% GRM1552C2A20GA01# ±5% GRM1552C2A20GA01# ±5% GRM1552C2A30GA01# ±5% GRM1552C2A20GA01# ±5% GRM1552C2A20GA01# ±5					±0.5pF	GRM1552C2A9R2DA01#
#0.5pF GRM1552C2A9R3DA01# #0.5pF GRM1552C2A9R3DA01# #0.1pF GRM1552C2A9R4BA01# #0.5pF GRM1552C2A9R4BA01# #0.5pF GRM1552C2A9R5WA01# #0.5pF GRM1552C2A9R5WA01# #0.25pF GRM1552C2A9R6WA01# #0.25pF GRM1552C2A9R6WA01# #0.25pF GRM1552C2A9R6WA01# #0.5pF GRM1552C2A9R7BA01# #0.5pF GRM1552C2A9R7BA01# #0.5pF GRM1552C2A9R7BA01# #0.5pF GRM1552C2A9R7BA01# #0.5pF GRM1552C2A9R7BA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R3WA01# #0.5pF GRM1552C2A10GA01# #5% GRM1552C2A10GA01# #5% GRM1552C2A10GA01# #5% GRM1552C2A150JA01# #0.5pF #0.5pF GRM1552C2A10GA01# #5%				9.3pF	±0.05pF	GRM1552C2A9R3WA01#
### 10.5pF GRM1552C2A9R3DA01# ### 10.1pF GRM1552C2A9R4WA01# ### 10.5pF GRM1552C2A9R4DA01# ### 10.5pF GRM1552C2A9R4DA01# ### 10.5pF GRM1552C2A9R5WA01# ### 10.5pF GRM1552C2A9R5WA01# ### 10.5pF GRM1552C2A9R5WA01# ### 10.5pF GRM1552C2A9R5DA01# ### 10.5pF GRM1552C2A9R5DA01# ### 10.5pF GRM1552C2A9R6BA01# ### 10.5pF GRM1552C2A9R7WA01# ### 10.5pF GRM1552C2A9R7WA01# ### 10.5pF GRM1552C2A9R7WA01# ### 10.5pF GRM1552C2A9R7WA01# ### 10.5pF GRM1552C2A9R8WA01# ### 10.5pF GRM1552C2A9R8WA01# ### 10.5pF GRM1552C2A9R8WA01# ### 10.5pF GRM1552C2A9R8BA01# ### 10.5pF GRM1552C2A9R8BA01# ### 10.5pF GRM1552C2A9R8BA01# ### 10.5pF GRM1552C2A9R9BA01# #### 10.5pF GRM1552C2A9R9BA01# ### 10.5pF GRM1552C2A9R9BA01# #### 10.5pF GRM1552C2A10GA01# #### 15pF ±2% GRM1552C2A10GA01# #### 15pF ±2% GRM1552C2A12OJA01# ##### 15pF ±2% GRM1552C2A12O					±0.1pF	GRM1552C2A9R3BA01#
9.4pF ±0.05pF GRM1552C2A9R4WA01# ±0.1pF GRM1552C2A9R4BA01# ±0.5pF GRM1552C2A9R4DA01# ±0.5pF GRM1552C2A9R5WA01# ±0.25pF GRM1552C2A9R5WA01# ±0.25pF GRM1552C2A9R5DA01# ±0.5pF GRM1552C2A9R5DA01# ±0.5pF GRM1552C2A9R6WA01# ±0.25pF GRM1552C2A9R6WA01# ±0.5pF GRM1552C2A9R6WA01# ±0.5pF GRM1552C2A9R6WA01# ±0.5pF GRM1552C2A9R6WA01# ±0.5pF GRM1552C2A9R6DA01# ±0.5pF GRM1552C2A9R6DA01# ±0.5pF GRM1552C2A9R7WA01# ±0.5pF GRM1552C2A9R7WA01# ±0.5pF GRM1552C2A9R7WA01# ±0.5pF GRM1552C2A9R7WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R9BA01# ±0.5pF GRM1552C2A9R9BA01# ±0.5pF GRM1552C2A9R9BA01# ±0.5pF GRM1552C2A9R9BA01# ±0.5pF GRM1552C2A9R9BA01# ±5% GRM1552C2A100GA01# ±5% GRM1552C2A100GA01# ±5% GRM1552C2A100GA01# ±5% GRM1552C2A120JA01# ±5% GRM1552C2A120JA01# ±5% GRM1552C2A130JA01# ±5% GRM1552C2A120JA01# ±5% GRM1552C2A20JA01# ±5% GRM1552C2A20JA01# ±5% GRM1552C2A20JA01# ±5% GRM1552C2A20JA01# ±5% GRM1552C2A20JA01# ±5% GRM1552C2A30JA01# ±5% GRM1552					±0.25pF	GRM1552C2A9R3CA01#
#0.1pF GRM1552C2A9R4BA01# ±0.2pF GRM1552C2A9R4DA01# ±0.5pF GRM1552C2A9R5BA01# ±0.1pF GRM1552C2A9R5BA01# ±0.2pF GRM1552C2A9R5BA01# ±0.5pF GRM1552C2A9R5BA01# ±0.5pF GRM1552C2A9R6BA01# ±0.5pF GRM1552C2A9R6BA01# ±0.2pF GRM1552C2A9R6BA01# ±0.2pF GRM1552C2A9R6BA01# ±0.2pF GRM1552C2A9R7WA01# ±0.2pF GRM1552C2A9R7WA01# ±0.2pF GRM1552C2A9R7BA01# ±0.2pF GRM1552C2A9R7BA01# ±0.2pF GRM1552C2A9R7BA01# ±0.2pF GRM1552C2A9R7BA01# ±0.2pF GRM1552C2A9R8BA01# ±0.2pF GRM1552C2A9R8BA01# ±0.2pF GRM1552C2A9R8BA01# ±0.2pF GRM1552C2A9R8BA01# ±0.2pF GRM1552C2A9R8BA01# ±0.2pF GRM1552C2A9R9BA01# ±0.2pF GRM1552C2A9R9BA01# ±0.2pF GRM1552C2A9R9BA01# ±0.2pF GRM1552C2A9R9BA01# ±0.2pF GRM1552C2A9R9BA01# ±0.2pF GRM1552C2A100A01# ±5% GRM1552C2A100A01# ±5% GRM1552C2A10OA01# ±5% GRM1552C2A30OA01# ±5% GRM1552C2					±0.5pF	GRM1552C2A9R3DA01#
#0.25pF GRM1552C2A9R4CA01# #0.5pF GRM1552C2A9R5MA01# #0.1pF GRM1552C2A9R5MA01# #0.1pF GRM1552C2A9R5MA01# #0.25pF GRM1552C2A9R5MA01# #0.5pF GRM1552C2A9R5MA01# #0.1pF GRM1552C2A9R5MA01# #0.1pF GRM1552C2A9R6MA01# #0.25pF GRM1552C2A9R6MA01# #0.25pF GRM1552C2A9R6MA01# #0.25pF GRM1552C2A9R6MA01# #0.25pF GRM1552C2A9R6MA01# #0.25pF GRM1552C2A9R6MA01# #0.25pF GRM1552C2A9R7MA01# #0.1pF GRM1552C2A9R7MA01# #0.25pF GRM1552C2A9R7MA01# #0.25pF GRM1552C2A9R7MA01# #0.25pF GRM1552C2A9R7MA01# #0.1pF GRM1552C2A9R8MA01# #0.25pF GRM1552C2A9R8MA01# #0.25pF GRM1552C2A9R8MA01# #0.25pF GRM1552C2A9R8MA01# #0.25pF GRM1552C2A9R8MA01# #0.5pF GRM1552C2A9R9MA01# #0.25pF GRM1552C2A9R9MA01# #0.25pF GRM1552C2A9R9MA01# #0.1pF GRM1552C2A9R9MA01# #0.1pF GRM1552C2A9R9MA01# #0.1pF GRM1552C2A9R9MA01# #10.1pF #10.1pF GRM1552C2A9R9MA01# #10.1pF GRM1552C2A9R9MA01# #10.1pF #29% GRM1552C2A100MA01# #15pF ±2% GRM1552C2A100MA01# #15pF ±2% GRM1552C2A100MA01# #15pF ±2% GRM1552C2A120MA01# #15pF ±2% GRM1552C2A120MA01# #15pF ±2% GRM1552C2A120MA01# #15pF ±2% GRM1552C2A130MA01# #15pF ±2% GRM1552C2A330MA01#				9.4pF	±0.05pF	GRM1552C2A9R4WA01#
#0.5pF \$\frac{40.5pF}{20.1pF} \$\frac{40.5pF}{20.1pF} \$\frac{40.5pF}{20.1pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R5DA01#}{20.25pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R6DA01#}{20.25pF} \$\frac{6mM1552C2A9R6DA01#}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R6DA01#}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R6DA01#}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R7DA01#}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A100GA01#}{20.5pF} \$\frac{6mM1552C2A100GA01#}{20.5pF} \$\frac{6mM1552C2A100GA01#}{20.5pF} \$\frac{6mM1552C2A100GA01#}{20.5pF} \$\frac{6mM1552C2A120GA01#}{20.5pF} \$\frac{6mM1552C2A230GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{					±0.1pF	GRM1552C2A9R4BA01#
#0.5pF \$\frac{40.5pF}{20.1pF} \$\frac{40.5pF}{20.1pF} \$\frac{40.5pF}{20.1pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R5DA01#}{20.25pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R6DA01#}{20.25pF} \$\frac{6mM1552C2A9R6DA01#}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R6DA01#}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R6DA01#}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R7DA01#}{20.5pF} \$\frac{40.5pF}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R8DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A9R9DA01#}{20.5pF} \$\frac{6mM1552C2A100GA01#}{20.5pF} \$\frac{6mM1552C2A100GA01#}{20.5pF} \$\frac{6mM1552C2A100GA01#}{20.5pF} \$\frac{6mM1552C2A100GA01#}{20.5pF} \$\frac{6mM1552C2A120GA01#}{20.5pF} \$\frac{6mM1552C2A230GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{20.5pF} \$\frac{6mM1552C2A30GA01#}{					±0.25pF	GRM1552C2A9R4CA01#
9.5pF						
#0.1pF GRM1552C2A9R5BA01# #0.25pF GRM1552C2A9R5A01# #0.1pF GRM1552C2A9R6WA01# #0.1pF GRM1552C2A9R6WA01# #0.1pF GRM1552C2A9R6BA01# #0.5pF GRM1552C2A9R6DA01# #0.5pF GRM1552C2A9R7WA01# #0.5pF GRM1552C2A9R7WA01# #0.5pF GRM1552C2A9R7WA01# #0.5pF GRM1552C2A9R7WA01# #0.5pF GRM1552C2A9R7DA01# #0.5pF GRM1552C2A9R7DA01# #0.5pF GRM1552C2A9R7DA01# #0.5pF GRM1552C2A9R5DA01# #0.5pF GRM1552C2A9R8WA01# #0.1pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R9WA01# #0.5pF GRM1552C2A9R9WA01# #0.5pF GRM1552C2A9R9WA01# #0.5pF GRM1552C2A9R9WA01# #0.5pF GRM1552C2A9R9WA01# #0.5pF GRM1552C2A9R9WA01# #0.5pF GRM1552C2A100GA01# #5% GRM1552C2A100GA01# #5% GRM1552C2A100GA01# #5% GRM1552C2A120GA01# #5% GRM1552C2A120GA01# #5% GRM1552C2A180JA01# #18pF ±2% GRM1552C2A180JA01# #27pF ±2% GRM1552C2A180JA01# #27pF ±2% GRM1552C2A180JA01# #5% GRM1552C2A20JA01# #5% GRM1552C2A30GA01# #5% GRM1552C2A30GA01# #5% GRM1552C2A470JA01# #5% GRM155C2CA470JA01# #5% GRM1552C2A470JA01#				9.5pF		
#0.25pF GRM1552C2A9R5CA01# #0.5pF GRM1552C2A9R6WA01# #0.1pF GRM1552C2A9R6WA01# #0.25pF GRM1552C2A9R6BA01# #0.5pF GRM1552C2A9R6DA01# #0.5pF GRM1552C2A9R6DA01# #0.1pF GRM1552C2A9R6DA01# #0.1pF GRM1552C2A9R7WA01# #0.1pF GRM1552C2A9R7WA01# #0.1pF GRM1552C2A9R7DA01# #0.5pF GRM1552C2A9R7DA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R9WA01# #0.5pF GRM1552C2A10GA01# #0.5pF GRM1552C2A10GA01# #0.5pF GRM1552C2A10GA01# #0.5pF GRM1552C2A10GA01# #0.5pF GRM1552CA10GA01# #0.5pF GRM1552CA						
# 0.5pF GRM1552C2A9R5DA01# # 0.1pF GRM1552C2A9R6M01# # 0.25pF GRM1552C2A9R6M01# # 0.25pF GRM1552C2A9R6M01# # 0.25pF GRM1552C2A9R7M01# # 0.1pF GRM1552C2A9R8M01# # 0.1pF GRM1552C2A9R8M01# # 0.1pF GRM1552C2A9R8M01# # 0.5pF GRM1552C2A9R9M01# # 55% GRM1552C2A100G01# # 55% GRM1552C2A100G01# # 55% GRM1552C2A100G01# # 55% GRM1552C2A180GA01# # 55% GRM1552C2A180GA01# # 55% GRM1552C2A180GA01# # 55% GRM1552C2A20GA01# # 55% GRM1552C2A330GA01# # 55% GRM1552C2A330GA01# # 55% GRM1552C2A330GA01# # 55% GRM1552C2A330JA01# # 55% GRM1552C2A360GA01# # 55% GRM1552C2A360GA01# # 55% GRM1552C2A360GA01# # 55% GRM1552C2A660GA01# # 55% GRM1552C2A66						
9.6pF ±0.05pF GRM1552C2A9R6WA01# ±0.1pF GRM1552C2A9R6BA01# ±0.25pF GRM1552C2A9R6DA01# ±0.5pF GRM1552C2A9R6DA01# ±0.25pF GRM1552C2A9R7WA01# ±0.25pF GRM1552C2A9R7DA01# ±0.25pF GRM1552C2A9R8WA01# ±0.05pF GRM1552C2A9R8WA01# ±0.1pF GRM1552C2A9R8WA01# ±0.25pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R8WA01# ±0.25pF GRM1552C2A9R8WA01# ±0.25pF GRM1552C2A9R8WA01# ±0.5pF GRM1552C2A9R9WA01# ±0.5pF GRM1552C2A9R9WA01# ±0.5pF GRM1552C2A9R9WA01# ±0.5pF GRM1552C2A9R9DA01# ±5.5pF GRM1552C2A9R9DA01# ±5.5pF GRM1552C2A100GA01# ±5.5pF GRM1552C2A100GA01# ±5.5pF GRM1552C2A120GA01# ±5.5pF GRM1552C2A120GA01# ±5.5pF GRM1552C2A120GA01# ±5.5pF GRM1552C2A120GA01# ±5.5pF GRM1552C2A120GA01# ±5.5pF GRM1552C2A150JA01# ±5.5pF GRM1552C2A120GA01# ±5.5pF GRM1552C2A180GA01# ±5.5pF GRM1552C2A180GA01# ±5.5pF GRM1552C2A180JA01# ±5.5pF GRM1552C2A20GA01# ±5.5pF GRM1552C2A20JA01# ±5.5pF GRM1552C2A30JA01# ±5.5pF GRM1552C2A560JA01# ±5.5pF GRM1552C2A660JA01# ±5.5						
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#0.25pF GRM1552C2A9R6CA01# #0.5pF GRM1552C2A9R6DA01# #0.1pF GRM1552C2A9R7WA01# #0.25pF GRM1552C2A9R7CA01# #0.25pF GRM1552C2A9R7CA01# #0.5pF GRM1552C2A9R7CA01# #0.5pF GRM1552C2A9R7DA01# #0.1pF GRM1552C2A9R8WA01# #0.1pF GRM1552C2A9R8WA01# #0.5pF GRM1552C2A9R8BA01# #0.5pF GRM1552C2A9R8DA01# #0.5pF GRM1552C2A9R8DA01# #0.1pF GRM1552C2A9R8DA01# #0.1pF GRM1552C2A9R9DA01# #0.25pF GRM1552C2A9R9DA01# #0.25pF GRM1552C2A9R9DA01# #0.5pF GRM1552C2A9R9DA01# #0.5pF GRM1552C2A9R9DA01# #0.5pF GRM1552C2A100GA01# #0.5pF GRM1552C2A100GA01# #0.5pF GRM1552C2A100GA01# #0.5pF GRM1552C2A100GA01# #0.5pF dRM1552C2A120GA01# #0.5pF dRM1552C2A130GA01# #0.5pF dRM1552C2A130GA01# #0.5pF dRM1552C2A130GA01# #0.5pG dRM1552C2A130GA01# #0.5pG dRM1552C2A130GA01# #0.5pG dRM1552C2A130GA01# #0.5pG dRM1552C2A30GA01# #0.5pG dRM1552C2A36GAA01#				J.0pi		
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#0.1pF GRM1552C2A9R7BA01# #0.25pF GRM1552C2A9R7CA01# #0.5pF GRM1552C2A9R7DA01# #0.1pF GRM1552C2A9R8BA01# #0.5pF GRM1552C2A9R8BA01# #0.5pF GRM1552C2A9R8BA01# #0.5pF GRM1552C2A9R8BA01# #0.5pF GRM1552C2A9R8DA01# #0.1pF GRM1552C2A9R9BA01# #0.5pF GRM1552C2A9R9BA01# #0.5pF GRM1552C2A9R9BA01# #0.5pF GRM1552C2A9R9BA01# #0.5pF GRM1552C2A9R9BA01# #0.5pF GRM1552C2A9R9BA01# #0.5pF GRM1552C2A9R9BA01# #10pF #2% GRM1552C2A100GA01# #15pF #2% GRM1552C2A100GA01# #15pF #2% GRM1552C2A120GA01# #15pF #2% GRM1552C2A120GA01# #15pF #2% GRM1552C2A120GA01# #2% GRM1552C2A180GA01# #2% GRM1552C2A180GA01# #2% GRM1552C2A180GA01# #2% GRM1552C2A180GA01# #2% GRM1552C2A180GA01# #2% GRM1552C2A20GA01# #2% GRM1552C2A20GA01# #2% GRM1552C2A20GA01# #2% GRM1552C2A20GA01# #2% GRM1552C2A20GA01# #2% GRM1552C2A30GA01# #2% GRM1552C2A470GA01# #2% GRM1552C2A470GA01# #2% GRM1552C2A470GA01# #2% GRM1552C2A560GA01# #2% GRM1552C2A60GA01#				0.7nE		
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#0.1pF GRM1552C2A9R8BA01# #0.25pF GRM1552C2A9R8CA01# #0.5pF GRM1552C2A9R8DA01# #0.1pF GRM1552C2A9R9WA01# #0.1pF GRM1552C2A9R9WA01# #0.25pF GRM1552C2A9R9BA01# #0.5pF GRM1552C2A9R9DA01# #0.5pF GRM1552C2A9R9DA01# #0.5pF GRM1552C2A10GA01# #5% GRM1552C2A10JA01# 12pF #2% GRM1552C2A120JA01# #5% GRM1552C2A120JA01# #5% GRM1552C2A150JA01# #5% GRM1552C2A180JA01# #5% GRM1552C2A180JA01# #25% GRM1552C2A180JA01# #25% GRM1552C2A180JA01# #25% GRM1552C2A180JA01# #25% GRM1552C2A180JA01# #25% GRM1552C2A20JA01# #25% GRM1552C2A20JA01# #25% GRM1552C2A20JA01# #25% GRM1552C2A20JA01# #25% GRM1552C2A20JA01# #25% GRM1552C2A30JA01# #25% GRM1552C2A30JA01# #25% GRM1552C2A30JA01# #25% GRM1552C2A30JA01# #25% GRM1552C2A30JA01# #25% GRM1552C2A470JA01# #25% GRM1552C2A470JA01# #25% GRM1552C2A470JA01# #25% GRM1552C2A470JA01# #25% GRM1552C2A560JA01# #25% GRM1552C2A560JA01# #25% GRM1552C2A680GA01#				0.0.5		
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#0.5pF GRM1552C2A9R9WA01# #0.1pF GRM1552C2A9R9WA01# #0.25pF GRM1552C2A9R9BA01# #0.5pF GRM1552C2A9R9DA01# #0.5pF GRM1552C2A9R9DA01# #0.5pF GRM1552C2A9R9DA01# #0.5pF GRM1552C2A10GA01# #10pF #2% GRM1552C2A10JA01# #12pF #2% GRM1552C2A12OJA01# #15pF #2% GRM1552C2A12OJA01# #15pF #2% GRM1552C2A15OGA01# #15pF #2% GRM1552C2A15OJA01# #18pF #2% GRM1552C2A18OJA01# #18pF #2% GRM1552C2A18OJA01# #25% GRM1552C2A18OJA01# #25% GRM1552C2A18OJA01# #25% GRM1552C2A20JA01# #25% GRM1552C2A20JA01# #25% GRM1552C2A20JA01# #25% GRM1552C2A27OJA01# #25% GRM1552C2A33OJA01# #25% GRM1552C2A33OJA01# #25% GRM1552C2A39OJA01# #25% GRM1552C2A39OJA01# #25% GRM1552C2A47OJA01# #25% GRM1552C2A47OJA01# #25% GRM1552C2A47OJA01# #25% GRM1552C2A47OJA01# #25% GRM1552C2A47OJA01# #25% GRM1552C2A47OJA01# #25% GRM1552C2A46OJA01# #25% GRM1552C2A66OJA01# #25% GRM1552C2A68OJA01# #25% GRM1552C2A68OJA01#						
9.9pF ±0.05pF GRM1552C2A9R9BA01# ±0.25pF GRM1552C2A9R9BA01# ±0.5pF GRM1552C2A9R9DA01# ±0.5pF GRM1552C2A9R9DA01# 10pF ±2% GRM1552C2A100GA01# ±5% GRM1552C2A120GA01# ±5% GRM1552C2A120JA01# 15pF ±2% GRM1552C2A120JA01# 18pF ±2% GRM1552C2A150JA01# 18pF ±2% GRM1552C2A150JA01# 22pF ±2% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A180JA01# 27pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A20JA01# 27pF ±2% GRM1552C2A20JA01# 33pF ±2% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 47pF ±2% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A390JA01# 56pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 58pF ±2% GRM1552C2A680JA01# 58pF ±2% GRM1552C2A680JA01#					-	
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±0.25pF GRM1552C2A9R9DA01# ±0.5pF GRM1552C2A100GA01# ±5% GRM1552C2A100JA01# 12pF ±2% GRM1552C2A120GA01# ±5% GRM1552C2A120JA01# 15pF ±2% GRM1552C2A150GA01# ±5% GRM1552C2A150JA01# 18pF ±2% GRM1552C2A150JA01# 22pF ±2% GRM1552C2A180GA01# ±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A220JA01# 33pF ±2% GRM1552C2A270GA01# ±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330JA01# 33pF ±2% GRM1552C2A330JA01# 47pF ±2% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A390JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560JA01# ±5% GRM1552C2A560JA01# 56pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01# ±5% GRM1552C2A680JA01#				9.9pF	-	
#0.5pF GRM1552C2A9R9DA01# #2% GRM1552C2A100GA01# #25% GRM1552C2A100JA01# #25% GRM1552C2A120JA01# #25% GRM1552C2A120JA01# #25% GRM1552C2A150GA01# #25% GRM1552C2A150GA01# #25% GRM1552C2A150JA01# #25% GRM1552C2A180GA01# #25% GRM1552C2A180JA01# #25% GRM1552C2A180JA01# #25% GRM1552C2A220GA01# #25% GRM1552C2A220JA01# #25% GRM1552C2A220JA01# #25% GRM1552C2A270JA01# #25% GRM1552C2A330JA01# #25% GRM1552C2A330JA01# #25% GRM1552C2A390JA01# #25% GRM1552C2A390JA01# #25% GRM1552C2A470JA01# #25% GRM1552C2A470JA01# #25% GRM1552C2A470JA01# #25% GRM1552C2A470JA01# #25% GRM1552C2A560JA01# #25% GRM1552C2A560JA01# #25% GRM1552C2A680JA01# #25% GRM1552C2A680JA01# #25% GRM1552C2A680JA01# #25% GRM1552C2A680JA01#						
10pF ±2% GRM1552C2A100GA01# ±5% GRM1552C2A100JA01# 12pF ±2% GRM1552C2A120GA01# ±5% GRM1552C2A120JA01# 15pF ±2% GRM1552C2A150GA01# ±5% GRM1552C2A150JA01# 18pF ±2% GRM1552C2A180JA01# ±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 25% GRM1552C2A220JA01# 25% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A330JA01# 25% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A390JA01# 25% GRM1552C2A390JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560JA01# 55% GRM1552C2A560JA01# 55% GRM1552C2A560JA01# 55% GRM1552C2A680JA01#					·	
±5% GRM1552C2A100JA01# 12pF ±2% GRM1552C2A120GA01# ±5% GRM1552C2A120JA01# 15pF ±2% GRM1552C2A150GA01# ±5% GRM1552C2A150JA01# 18pF ±2% GRM1552C2A180GA01# ±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A330JA01# 47pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#						
12pF ±2% GRM1552C2A120GA01# ±5% GRM1552C2A120JA01# 15pF ±2% GRM1552C2A150GA01# ±5% GRM1552C2A150JA01# 18pF ±2% GRM1552C2A180GA01# ±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 25% GRM1552C2A270JA01# ±5% GRM1552C2A270JA01# ±5% GRM1552C2A330GA01# ±5% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 33pF ±2% GRM1552C2A330JA01# 3ppF ±2% GRM1552C2A390JA01# ±5% GRM1552C2A390JA01# ±5% GRM1552C2A470JA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560JA01# ±5% GRM1552C2A560JA01# 55% GRM1552C2A680JA01# 55% GRM1552C2A680JA01# 55% GRM1552C2A680JA01# 55% GRM1552C2A680JA01#				10pF		
±5% GRM1552C2A120JA01# ±5% GRM1552C2A150GA01# ±5% GRM1552C2A150JA01# 18pF ±2% GRM1552C2A180GA01# ±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A220JA01# ±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330JA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A330JA01# 47pF ±2% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560JA01# 58pF ±2% GRM1552C2A680JA01# 68pF ±2% GRM1552C2A680JA01#						
15pF ±2% GRM1552C2A150GA01# ±5% GRM1552C2A150JA01# 18pF ±2% GRM1552C2A180GA01# ±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 45% GRM1552C2A330JA01# 47pF ±2% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A390JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680JA01# 68pF ±2% GRM1552C2A680JA01#				12pF		
±5% GRM1552C2A150JA01# 18pF ±2% GRM1552C2A180GA01# ±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A270GA01# ±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A390JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560JA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680JA01#						
18pF ±2% GRM1552C2A180GA01# ±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A270GA01# ±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560GA01# ±5% GRM1552C2A680GA01# ±5% GRM1552C2A680GA01#				15pF		
±5% GRM1552C2A180JA01# 22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A270GA01# ±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390JA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470JA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560JA01# ±5% GRM1552C2A680JA01# 68pF ±2% GRM1552C2A680JA01#					±5%	
22pF ±2% GRM1552C2A220GA01# ±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A270GA01# ±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680GA01#				18pF		
±5% GRM1552C2A220JA01# 27pF ±2% GRM1552C2A270GA01# ±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#						
27pF ±2% GRM1552C2A270GA01# ±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#				22pF		
±5% GRM1552C2A270JA01# 33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390JA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560GA01# ±5% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#						
33pF ±2% GRM1552C2A330GA01# ±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680GA01#				27pF	±2%	GRM1552C2A270GA01#
±5% GRM1552C2A330JA01# 39pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#					±5%	GRM1552C2A270JA01#
39pF ±2% GRM1552C2A390GA01# ±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680GA01#				33pF	±2%	GRM1552C2A330GA01#
±5% GRM1552C2A390JA01# 47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#					±5%	GRM1552C2A330JA01#
47pF ±2% GRM1552C2A470GA01# ±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#				39pF	±2%	GRM1552C2A390GA01#
±5% GRM1552C2A470JA01# 56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#					±5%	GRM1552C2A390JA01#
56pF ±2% GRM1552C2A560GA01# ±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#				47pF	±2%	GRM1552C2A470GA01#
±5% GRM1552C2A560JA01# 68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#					±5%	GRM1552C2A470JA01#
68pF ±2% GRM1552C2A680GA01# ±5% GRM1552C2A680JA01#				56pF	±2%	GRM1552C2A560GA01#
±5% GRM1552C2A680JA01#					±5%	GRM1552C2A560JA01#
				68pF	±2%	GRM1552C2A680GA01#
82pF ±2% GRM1552C2A820GA01#					±5%	GRM1552C2A680JA01#
				82pF	±2%	GRM1552C2A820GA01#

(→ 1.0)	0.5mm	1)	•		•	
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	100Vdc	СН	82pF	±5%	GRM1552C2A820JA01#	_
			100pF	±2%	GRM1552C2A101GA01#	
				±5%	GRM1552C2A101JA01#	
	50Vdc	COG	0.10pF	±0.05pF	GRM1555C1HR10WA01#	
			0.20pF	±0.05pF	GRM1555C1HR20WA01#	
				±0.1pF	GRM1555C1HR20BA01#	
			0.30pF	±0.05pF	GRM1555C1HR30WA01#	
				±0.1pF	GRM1555C1HR30BA01#	
			0.40pF	±0.05pF	GRM1555C1HR40WA01#	
				±0.1pF	GRM1555C1HR40BA01#	_
			0.50pF	±0.05pF	GRM1555C1HR50WA01#	
				±0.1pF	GRM1555C1HR50BA01#	_
			0.60pF	±0.05pF	GRM1555C1HR60WA01#	_
				±0.1pF	GRM1555C1HR60BA01#	_
			0.70pF	±0.05pF	GRM1555C1HR70WA01#	
				±0.1pF	GRM1555C1HR70BA01#	_
			0.80pF	±0.05pF	GRM1555C1HR80WA01#	
				±0.1pF	GRM1555C1HR80BA01#	_
			0.90pF	±0.05pF	GRM1555C1HR90WA01#	_
					GRM1555C1HR90BA01#	_
			1.0pF	· ·	GRM1555C1H1R0WA01#	_
				· ·	GRM1555C1H1R0BA01#	_
				· ·	GRM1555C1H1R0CA01#	_
			1.1pF	-	GRM1555C1H1R1WA01#	_
				· ·	GRM1555C1H1R1BA01#	_
			10.5	-	GRM1555C1H1R1CA01#	_
			1.2pF	· ·	GRM1555C1H1R2WA01#	_
				±0.1pF	GRM1555C1H1R2BA01#	_
			1 2-5		GRM1555C1H1R2CA01#	_
			1.3pF	· ·	GRM1555C1H1R3WA01#	_
				<u> </u>	GRM1555C1H1R3BA01# GRM1555C1H1R3CA01#	_
			1.4pF	· ·	GRM1555C1H1R4WA01#	_
			1.4pr		GRM1555C1H1R4BA01#	_
					GRM1555C1H1R4CA01#	_
			1.5pF	· ·	GRM1555C1H1R5WA01#	_
			1.561		GRM1555C1H1R5BA01#	_
				<u> </u>	GRM1555C1H1R5CA01#	_
			1.6pF	· ·	GRM1555C1H1R6WA01#	_
					GRM1555C1H1R6BA01#	_
					GRM1555C1H1R6CA01#	_
			1.7pF		GRM1555C1H1R7WA01#	_
			1**	· ·	GRM1555C1H1R7BA01#	_
				<u> </u>	GRM1555C1H1R7CA01#	_
			1.8pF		GRM1555C1H1R8WA01#	_
				<u> </u>	GRM1555C1H1R8BA01#	-
				<u> </u>	GRM1555C1H1R8CA01#	-
			1.9pF		GRM1555C1H1R9WA01#	_
				-	GRM1555C1H1R9BA01#	_
					GRM1555C1H1R9CA01#	_
			2.0pF	· ·	GRM1555C1H2R0WA01#	_
			·	· ·	GRM1555C1H2R0BA01#	_
				±0.25pF	GRM1555C1H2R0CA01#	_
			2.1pF	±0.05pF	GRM1555C1H2R1WA01#	_

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	COG	2.1pF	±0.1pF	GRM1555C1H2R1BA01#	
				±0.25pF	GRM1555C1H2R1CA01#	
			2.2pF	±0.05pF	GRM1555C1H2R2WA01#	
				±0.1pF	GRM1555C1H2R2BA01#	
				±0.25pF	GRM1555C1H2R2CA01#	
			2.3pF	±0.05pF	GRM1555C1H2R3WA01#	
				±0.1pF	GRM1555C1H2R3BA01#	
				±0.25pF	GRM1555C1H2R3CA01#	
			2.4pF	±0.05pF	GRM1555C1H2R4WA01#	
				±0.1pF	GRM1555C1H2R4BA01#	
				±0.25pF	GRM1555C1H2R4CA01#	
			2.5pF		GRM1555C1H2R5WA01#	
					GRM1555C1H2R5BA01#	
				-	GRM1555C1H2R5CA01#	
			2.6pF		GRM1555C1H2R6WA01#	
					GRM1555C1H2R6BA01#	
		-		-	GRM1555C1H2R6CA01#	
			2.7pF	-	GRM1555C1H2R7WA01#	
					GRM1555C1H2R7BA01#	
		-		-	GRM1555C1H2R7CA01#	
			2.8pF	· ·	GRM1555C1H2R8WA01#	
					GRM1555C1H2R8BA01#	
			20-5		GRM1555C1H2R8CA01#	
			2.9pF	_ ·	GRM1555C1H2R9WA01#	
				-	GRM1555C1H2R9BA01#	
			3.0pF	-	GRM1555C1H2R9CA01# GRM1555C1H3R0WA01#	
			3.0pi		GRM1555C1H3R0BA01#	
					GRM1555C1H3R0CA01#	
			3.1pF	· ·	GRM1555C1H3R1WA01#	
			0.2p.	±0.1pF	GRM1555C1H3R1BA01#	
				<u> </u>	GRM1555C1H3R1CA01#	
		-	3.2pF	· ·	GRM1555C1H3R2WA01#	
					GRM1555C1H3R2BA01#	
				±0.25pF	GRM1555C1H3R2CA01#	
			3.3pF	±0.05pF	GRM1555C1H3R3WA01#	
				±0.1pF	GRM1555C1H3R3BA01#	
				±0.25pF	GRM1555C1H3R3CA01#	
			3.4pF	±0.05pF	GRM1555C1H3R4WA01#	
				±0.1pF	GRM1555C1H3R4BA01#	
				±0.25pF	GRM1555C1H3R4CA01#	
			3.5pF	±0.05pF	GRM1555C1H3R5WA01#	
				±0.1pF	GRM1555C1H3R5BA01#	
				±0.25pF	GRM1555C1H3R5CA01#	
			3.6pF	±0.05pF	GRM1555C1H3R6WA01#	
				±0.1pF	GRM1555C1H3R6BA01#	
				±0.25pF	GRM1555C1H3R6CA01#	
			3.7pF	±0.05pF	GRM1555C1H3R7WA01#	
				±0.1pF	GRM1555C1H3R7BA01#	
				±0.25pF	GRM1555C1H3R7CA01#	
			3.8pF	±0.05pF	GRM1555C1H3R8WA01#	
				±0.1pF	GRM1555C1H3R8BA01#	
				±0.25pF	GRM1555C1H3R8CA01#	
			3.9pF	±0.05pF	GRM1555C1H3R9WA01#	

GR7

GA2

GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

(→ 1.0×	0.5mm	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	COG	3.9pF	±0.1pF	GRM1555C1H3R9BA01#	
				±0.25pF	GRM1555C1H3R9CA01#	
			4.0pF	±0.05pF	GRM1555C1H4R0WA01#	
				±0.1pF	GRM1555C1H4R0BA01#	
				±0.25pF	GRM1555C1H4R0CA01#	_
			4.1pF	±0.05pF	GRM1555C1H4R1WA01#	_
				±0.1pF	GRM1555C1H4R1BA01#	_
				±0.25pF	GRM1555C1H4R1CA01#	_
			4.2pF	±0.05pF	GRM1555C1H4R2WA01#	_
				±0.1pF	GRM1555C1H4R2BA01#	_
				±0.25pF	GRM1555C1H4R2CA01#	
			4.3pF	±0.05pF	GRM1555C1H4R3WA01#	_
				±0.1pF	GRM1555C1H4R3BA01#	_
				±0.25pF	GRM1555C1H4R3CA01#	
			4.4pF	±0.05pF	GRM1555C1H4R4WA01#	
				±0.1pF	GRM1555C1H4R4BA01#	_
				±0.25pF	GRM1555C1H4R4CA01#	_
			4.5pF	±0.05pF	GRM1555C1H4R5WA01#	_
				±0.1pF	GRM1555C1H4R5BA01#	_
				±0.25pF	GRM1555C1H4R5CA01#	_
			4.6pF	±0.05pF	GRM1555C1H4R6WA01#	_
				±0.1pF	GRM1555C1H4R6BA01#	_
				±0.25pF	GRM1555C1H4R6CA01#	_
			4.7pF	±0.05pF	GRM1555C1H4R7WA01#	_
			•	±0.1pF	GRM1555C1H4R7BA01#	_
					GRM1555C1H4R7CA01#	_
			4.8pF	±0.05pF	GRM1555C1H4R8WA01#	_
				±0.1pF	GRM1555C1H4R8BA01#	_
				±0.25pF	GRM1555C1H4R8CA01#	_
			4.9pF	±0.05pF	GRM1555C1H4R9WA01#	_
			•	±0.1pF	GRM1555C1H4R9BA01#	_
				±0.25pF	GRM1555C1H4R9CA01#	_
			5.0pF	±0.05pF	GRM1555C1H5R0WA01#	_
					GRM1555C1H5R0BA01#	_
				±0.25pF	GRM1555C1H5R0CA01#	_
			5.1pF	±0.05pF	GRM1555C1H5R1WA01#	_
				±0.1pF	GRM1555C1H5R1BA01#	_
				±0.25pF	GRM1555C1H5R1CA01#	_
				±0.5pF	GRM1555C1H5R1DA01#	_
			5.2pF	· ·	GRM1555C1H5R2WA01#	_
				±0.1pF	GRM1555C1H5R2BA01#	_
				<u> </u>	GRM1555C1H5R2CA01#	_
				<u> </u>	GRM1555C1H5R2DA01#	_
			5.3pF	· ·	GRM1555C1H5R3WA01#	_
			·	<u> </u>	GRM1555C1H5R3BA01#	_
				· ·	GRM1555C1H5R3CA01#	_
				<u> </u>	GRM1555C1H5R3DA01#	_
			5.4pF	-	GRM1555C1H5R4WA01#	_
				<u> </u>	GRM1555C1H5R4BA01#	_
				-	GRM1555C1H5R4CA01#	_
				-	GRM1555C1H5R4DA01#	_
			5.5pF	· ·	GRM1555C1H5R5WA01#	_
			- 1	-	GRM1555C1H5R5BA01#	_
				-	GRM1555C1H5R5CA01#	_
			<u> </u>	- ->p'		_

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	COG	5.5pF	±0.5pF	GRM1555C1H5R5DA01#	
			5.6pF	±0.05pF	GRM1555C1H5R6WA01#	
				±0.1pF	GRM1555C1H5R6BA01#	
				±0.25pF	GRM1555C1H5R6CA01#	_
				±0.5pF	GRM1555C1H5R6DA01#	
			5.7pF	±0.05pF	GRM1555C1H5R7WA01#	
				±0.1pF	GRM1555C1H5R7BA01#	
				±0.25pF	GRM1555C1H5R7CA01#	
				±0.5pF	GRM1555C1H5R7DA01#	
			5.8pF	±0.05pF	GRM1555C1H5R8WA01#	
				±0.1pF	GRM1555C1H5R8BA01#	
				±0.25pF	GRM1555C1H5R8CA01#	
				±0.5pF	GRM1555C1H5R8DA01#	
			5.9pF	±0.05pF	GRM1555C1H5R9WA01#	
				±0.1pF	GRM1555C1H5R9BA01#	
				±0.25pF	GRM1555C1H5R9CA01#	
				±0.5pF	GRM1555C1H5R9DA01#	
			6.0pF	±0.05pF	GRM1555C1H6R0WA01#	
				±0.1pF	GRM1555C1H6R0BA01#	
				±0.25pF	GRM1555C1H6R0CA01#	
				±0.5pF	GRM1555C1H6R0DA01#	
			6.1pF	±0.05pF	GRM1555C1H6R1WA01#	
				±0.1pF	GRM1555C1H6R1BA01#	
				±0.25pF	GRM1555C1H6R1CA01#	
				±0.5pF	GRM1555C1H6R1DA01#	
			6.2pF		GRM1555C1H6R2WA01#	
				±0.1pF	GRM1555C1H6R2BA01#	
					GRM1555C1H6R2CA01#	
					GRM1555C1H6R2DA01#	
			6.3pF		GRM1555C1H6R3WA01#	
					GRM1555C1H6R3BA01#	
					GRM1555C1H6R3CA01#	_
				±0.5pF	GRM1555C1H6R3DA01#	_
			6.4pF		GRM1555C1H6R4WA01#	
					GRM1555C1H6R4BA01#	_
					GRM1555C1H6R4CA01#	_
			C F=F		GRM1555C1H6R4DA01#	_
			6.5pF		GRM1555C1H6R5WA01#	_
					GRM1555C1H6R5BA01#	_
					GRM1555C1H6R5CA01#	
			6.655	· ·	GRM1555C1H6R5DA01#	
			6.6pF		GRM1555C1H6R6WA01#	
				<u> </u>	GRM1555C1H6R6BA01#	
					GRM1555C1H6R6CA01#	
			6.7pF		GRM1555C1H6R6DA01# GRM1555C1H6R7WA01#	
			0.7 pr	· ·	GRM1555C1H6R7WA01#	—
					GRM1555C1H6R7CA01#	—
				· ·	GRM1555C1H6R7DA01#	—
			6.8pF		GRM1555C1H6R8WA01#	
			J.0pi		GRM1555C1H6R8BA01#	
					GRM1555C1H6R8CA01#	
					GRM1555C1H6R8DA01#	—
			6.9pF		GRM1555C1H6R9WA01#	—
			0.5pr	0.03pr	GIG II333CITIOR3WAUI#	

(→ 1.0,	0.5mm	1)	•		•	
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	COG	6.9pF	±0.1pF	GRM1555C1H6R9BA01#	
				±0.25pF	GRM1555C1H6R9CA01#	
				±0.5pF	GRM1555C1H6R9DA01#	
			7.0pF	±0.05pF	GRM1555C1H7R0WA01#	
				±0.1pF	GRM1555C1H7R0BA01#	
				±0.25pF	GRM1555C1H7R0CA01#	
				±0.5pF	GRM1555C1H7R0DA01#	
			7.1pF	±0.05pF	GRM1555C1H7R1WA01#	
				±0.1pF	GRM1555C1H7R1BA01#	
				±0.25pF	GRM1555C1H7R1CA01#	
				±0.5pF	GRM1555C1H7R1DA01#	
			7.2pF	±0.05pF	GRM1555C1H7R2WA01#	
				±0.1pF	GRM1555C1H7R2BA01#	
				±0.25pF	GRM1555C1H7R2CA01#	
				±0.5pF	GRM1555C1H7R2DA01#	
			7.3pF	±0.05pF	GRM1555C1H7R3WA01#	
				±0.1pF	GRM1555C1H7R3BA01#	
				±0.25pF	GRM1555C1H7R3CA01#	
				±0.5pF	GRM1555C1H7R3DA01#	
			7.4pF	±0.05pF	GRM1555C1H7R4WA01#	
				±0.1pF	GRM1555C1H7R4BA01#	
				±0.25pF	GRM1555C1H7R4CA01#	
				±0.5pF	GRM1555C1H7R4DA01#	
			7.5pF	±0.05pF	GRM1555C1H7R5WA01#	
				±0.1pF	GRM1555C1H7R5BA01#	
				±0.25pF	GRM1555C1H7R5CA01#	
				±0.5pF	GRM1555C1H7R5DA01#	
			7.6pF	±0.05pF	GRM1555C1H7R6WA01#	
				±0.1pF	GRM1555C1H7R6BA01#	
				±0.25pF	GRM1555C1H7R6CA01#	
				±0.5pF	GRM1555C1H7R6DA01#	
			7.7pF	±0.05pF	GRM1555C1H7R7WA01#	
				±0.1pF	GRM1555C1H7R7BA01#	
				±0.25pF	GRM1555C1H7R7CA01#	
				±0.5pF	GRM1555C1H7R7DA01#	
			7.8pF	±0.05pF	GRM1555C1H7R8WA01#	
				±0.1pF	GRM1555C1H7R8BA01#	
				±0.25pF	GRM1555C1H7R8CA01#	
				±0.5pF	GRM1555C1H7R8DA01#	
			7.9pF	±0.05pF	GRM1555C1H7R9WA01#	
				±0.1pF	GRM1555C1H7R9BA01#	
					GRM1555C1H7R9CA01#	
				±0.5pF	GRM1555C1H7R9DA01#	
			8.0pF	±0.05pF	GRM1555C1H8R0WA01#	
				-	GRM1555C1H8R0BA01#	
				<u> </u>	GRM1555C1H8R0CA01#	
				-	GRM1555C1H8R0DA01#	
			8.1pF		GRM1555C1H8R1WA01#	
					GRM1555C1H8R1BA01#	
					GRM1555C1H8R1CA01#	
					GRM1555C1H8R1DA01#	_
			8.2pF	· ·	GRM1555C1H8R2WA01#	
			·	· ·	GRM1555C1H8R2BA01#	
				<u> </u>	GRM1555C1H8R2CA01#	
				pi		

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	COG	8.2pF	±0.5pF	GRM1555C1H8R2DA01#	
			8.3pF	±0.05pF	GRM1555C1H8R3WA01#	
				±0.1pF	GRM1555C1H8R3BA01#	
				±0.25pF	GRM1555C1H8R3CA01#	
				±0.5pF	GRM1555C1H8R3DA01#	
			8.4pF	±0.05pF	GRM1555C1H8R4WA01#	
				±0.1pF	GRM1555C1H8R4BA01#	
				±0.25pF	GRM1555C1H8R4CA01#	
				±0.5pF	GRM1555C1H8R4DA01#	
			8.5pF	±0.05pF	GRM1555C1H8R5WA01#	
				±0.1pF	GRM1555C1H8R5BA01#	
				±0.25pF	GRM1555C1H8R5CA01#	
		-		±0.5pF	GRM1555C1H8R5DA01#	
			8.6pF	±0.05pF	GRM1555C1H8R6WA01#	
				±0.1pF	GRM1555C1H8R6BA01#	
				•	GRM1555C1H8R6CA01#	
					GRM1555C1H8R6DA01#	
			8.7pF	±0.05pF	GRM1555C1H8R7WA01#	
				±0.1pF	GRM1555C1H8R7BA01#	
				-	GRM1555C1H8R7CA01#	
		-			GRM1555C1H8R7DA01#	
			8.8pF	-	GRM1555C1H8R8WA01#	
					GRM1555C1H8R8BA01#	
					GRM1555C1H8R8CA01#	
			0.0nF		GRM1555C1H8R8DA01#	
			8.9pF		GRM1555C1H8R9WA01# GRM1555C1H8R9BA01#	
				±0.1pF	GRM1555C1H8R9CA01#	_
				<u> </u>	GRM1555C1H8R9DA01#	_
		-	9.0pF		GRM1555C1H9R0WA01#	_
				±0.1pF	GRM1555C1H9R0BA01#	_
					GRM1555C1H9R0CA01#	_
					GRM1555C1H9R0DA01#	_
		-	9.1pF		GRM1555C1H9R1WA01#	_
				±0.1pF	GRM1555C1H9R1BA01#	_
				±0.25pF	GRM1555C1H9R1CA01#	_
				±0.5pF	GRM1555C1H9R1DA01#	_
			9.2pF	±0.05pF	GRM1555C1H9R2WA01#	
				±0.1pF	GRM1555C1H9R2BA01#	
				±0.25pF	GRM1555C1H9R2CA01#	
				±0.5pF	GRM1555C1H9R2DA01#	
			9.3pF	±0.05pF	GRM1555C1H9R3WA01#	
				±0.1pF	GRM1555C1H9R3BA01#	
				±0.25pF	GRM1555C1H9R3CA01#	
				±0.5pF	GRM1555C1H9R3DA01#	
			9.4pF	±0.05pF	GRM1555C1H9R4WA01#	
				±0.1pF	GRM1555C1H9R4BA01#	
				±0.25pF	GRM1555C1H9R4CA01#	
				±0.5pF	GRM1555C1H9R4DA01#	
			9.5pF	· .	GRM1555C1H9R5WA01#	
				±0.1pF	GRM1555C1H9R5BA01#	
				<u> </u>	GRM1555C1H9R5CA01#	
			_		GRM1555C1H9R5DA01#	
			9.6pF	±0.05pF	GRM1555C1H9R6WA01#	

(→ 1.0×0.5mm)

Т	Rated	TC	Cap.	Tol.	Part Number	
max. 0.55mm	Voltage 50Vdc	Code COG	9.6pF		GRM1555C1H9R6BA01#	
0.5511111	Sovac	COG	э.орг	±0.1pF		
					GRM1555C1H9R6CA01#	
			0.755	<u> </u>	GRM1555C1H9R6DA01#	
			9.7pF		GRM1555C1H9R7WA01#	
					GRM1555C1H9R7BA01#	
					GRM1555C1H9R7CA01#	
				· ·	GRM1555C1H9R7DA01#	
			9.8pF		GRM1555C1H9R8WA01#	
				±0.1pF	GRM1555C1H9R8BA01#	
					GRM1555C1H9R8CA01#	
					GRM1555C1H9R8DA01#	
			9.9pF		GRM1555C1H9R9WA01#	
					GRM1555C1H9R9BA01#	
					GRM1555C1H9R9CA01#	
				-	GRM1555C1H9R9DA01#	
			10pF	±2%	GRM1555C1H100GA01#	
				±5%	GRM1555C1H100JA01#	
			12pF	±2%	GRM1555C1H120GA01#	
				±5%	GRM1555C1H120JA01#	
			15pF	±2%	GRM1555C1H150GA01#	
				±5%	GRM1555C1H150JA01#	
			18pF	±2%	GRM1555C1H180GA01#	
				±5%	GRM1555C1H180JA01#	
			22pF	±2%	GRM1555C1H220GA01#	
				±5%	GRM1555C1H220JA01#	
			27pF	±2%	GRM1555C1H270GA01#	
				±5%	GRM1555C1H270JA01#	
			33pF	±2%	GRM1555C1H330GA01#	
				±5%	GRM1555C1H330JA01#	
			39pF	±2%	GRM1555C1H390GA01#	
			47pF	±5%	GRM1555C1H390JA01#	
				±2%	GRM1555C1H470GA01#	
				±5%	GRM1555C1H470JA01#	
			56pF	±2%	GRM1555C1H560GA01#	
					±5%	GRM1555C1H560JA01#
			68pF	±2%	GRM1555C1H680GA01#	
				±5%	GRM1555C1H680JA01#	
			82pF	±2%	GRM1555C1H820GA01#	
				±5%	GRM1555C1H820JA01#	
			100pF	±2%	GRM1555C1H101GA01#	
				±5%	GRM1555C1H101JA01#	
			120pF	±2%	GRM1555C1H121GA01#	
				±5%	GRM1555C1H121JA01#	
			150pF	±2%	GRM1555C1H151GA01#	
				±5%	GRM1555C1H151JA01#	
			180pF	±2%	GRM1555C1H181GA01#	
				±5%	GRM1555C1H181JA01#	
			220pF	±2%	GRM1555C1H221GA01#	
				±5%	GRM1555C1H221JA01#	
			270pF	±2%	GRM1555C1H271GA01#	
				±5%	GRM1555C1H271JA01#	
			330pF	±2%	GRM1555C1H331GA01#	
				±5%	GRM1555C1H331JA01#	
			390pF	±2%	GRM1555C1H391GA01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	50Vdc	COG	390pF	±5%	GRM1555C1H391JA01#
			470pF	±2%	GRM1555C1H471GA01#
				±5%	GRM1555C1H471JA01#
			560pF	±2%	GRM1555C1H561GA01#
				±5%	GRM1555C1H561JA01#
			680pF	±2%	GRM1555C1H681GA01#
				±5%	GRM1555C1H681JA01#
			820pF	±2%	GRM1555C1H821GA01#
				±5%	GRM1555C1H821JA01#
			1000pF	±2%	GRM1555C1H102GA01#
				±5%	GRM1555C1H102JA01#
		СК	0.10pF	±0.05pF	GRM1554C1HR10WA01#
			0.20pF	±0.05pF	GRM1554C1HR20WA01#
				±0.1pF	GRM1554C1HR20BA01#
			0.30pF	±0.05pF	GRM1554C1HR30WA01#
				±0.1pF	GRM1554C1HR30BA01#
			0.40pF	±0.05pF	GRM1554C1HR40WA01#
				±0.1pF	GRM1554C1HR40BA01#
			0.50pF	±0.05pF	GRM1554C1HR50WA01#
				±0.1pF	GRM1554C1HR50BA01#
			0.60pF	±0.05pF	GRM1554C1HR60WA01#
				±0.1pF	GRM1554C1HR60BA01#
			0.70pF	±0.05pF	GRM1554C1HR70WA01#
				±0.1pF	GRM1554C1HR70BA01#
			0.80pF	±0.05pF	GRM1554C1HR80WA01#
				±0.1pF	GRM1554C1HR80BA01#
			0.90pF	±0.05pF	GRM1554C1HR90WA01#
				±0.1pF	GRM1554C1HR90BA01#
			1.0pF	±0.05pF	GRM1554C1H1R0WA01#
				±0.1pF	GRM1554C1H1R0BA01#
					GRM1554C1H1R0CA01#
			1.1pF	-	GRM1554C1H1R1WA01#
					GRM1554C1H1R1BA01#
				-	GRM1554C1H1R1CA01#
			1.2pF		GRM1554C1H1R2WA01#
					GRM1554C1H1R2BA01#
					GRM1554C1H1R2CA01#
			1.3pF		GRM1554C1H1R3WA01#
					GRM1554C1H1R3BA01#
			1.4	•	GRM1554C1H1R3CA01#
			1.4pF	<u> </u>	GRM1554C1H1R4WA01#
				· ·	GRM1554C1H1R4BA01#
			1 5-5		GRM1554C1H1R4CA01#
			1.5pF	· ·	GRM1554C1H1R5WA01#
					GRM1554C1H1R5BA01#
			16-5	-	GRM1554C1H1R5CA01#
			1.6pF	· ·	GRM1554C1H1R6WA01#
				<u> </u>	GRM1554C1H1R6BA01#
			1.7pF		GRM1554C1H1R6CA01# GRM1554C1H1R7WA01#
			±.1 PF	-	GRM1554C1H1R7BA01#
				-	GRM1554C1H1R7CA01#
			1.8pF	-	GRM1554C1H1R8WA01#
			1.0pr	±0.05pF ±0.1pF	GRM1554C1H1R8BA01#
				-0.1hc	GIN 11334CINIROBAUI#

(→ 1.0×	0.5mm)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	50Vdc	СК	1.8pF	±0.25pF	GRM1554C1H1R8CA01#
			1.9pF	±0.05pF	GRM1554C1H1R9WA01#
				±0.1pF	GRM1554C1H1R9BA01#
				±0.25pF	GRM1554C1H1R9CA01#
			2.0pF	±0.05pF	GRM1554C1H2R0WA01#
				±0.1pF	GRM1554C1H2R0BA01#
				±0.25pF	GRM1554C1H2R0CA01#
		C1	2.1pF	±0.05pF	GRM1553C1H2R1WA01#
				±0.1pF	GRM1553C1H2R1BA01#
				±0.25pF	GRM1553C1H2R1CA01#
			2.2pF	±0.05pF	GRM1553C1H2R2WA01#
				±0.1pF	GRM1553C1H2R2BA01#
				±0.25pF	GRM1553C1H2R2CA01#
			2.3pF	±0.05pF	GRM1553C1H2R3WA01#
				±0.1pF	GRM1553C1H2R3BA01#
				±0.25pF	GRM1553C1H2R3CA01#
			2.4pF	±0.05pF	GRM1553C1H2R4WA01#
				±0.1pF	GRM1553C1H2R4BA01#
				±0.25pF	GRM1553C1H2R4CA01#
			2.5pF	±0.05pF	GRM1553C1H2R5WA01#
				±0.1pF	GRM1553C1H2R5BA01#
				±0.25pF	GRM1553C1H2R5CA01#
			2.6pF	±0.05pF	GRM1553C1H2R6WA01#
				±0.1pF	GRM1553C1H2R6BA01#
				±0.25pF	GRM1553C1H2R6CA01#
			2.7pF	±0.05pF	GRM1553C1H2R7WA01#
				±0.1pF	GRM1553C1H2R7BA01#
				±0.25pF	GRM1553C1H2R7CA01#
			2.8pF	±0.05pF	GRM1553C1H2R8WA01#
				±0.1pF	GRM1553C1H2R8BA01#
				±0.25pF	GRM1553C1H2R8CA01#
			2.9pF	±0.05pF	GRM1553C1H2R9WA01#
				±0.1pF	GRM1553C1H2R9BA01#
				±0.25pF	GRM1553C1H2R9CA01#
			3.0pF	±0.05pF	GRM1553C1H3R0WA01#
				±0.1pF	GRM1553C1H3R0BA01#
				±0.25pF	GRM1553C1H3R0CA01#
			3.1pF	±0.05pF	GRM1553C1H3R1WA01#
				±0.1pF	GRM1553C1H3R1BA01#
				±0.25pF	GRM1553C1H3R1CA01#
			3.2pF	±0.05pF	GRM1553C1H3R2WA01#
				±0.1pF	GRM1553C1H3R2BA01#
				±0.25pF	GRM1553C1H3R2CA01#
			3.3pF	±0.05pF	GRM1553C1H3R3WA01#
				±0.1pF	GRM1553C1H3R3BA01#
				±0.25pF	GRM1553C1H3R3CA01#
			3.4pF	±0.05pF	GRM1553C1H3R4WA01#
				±0.1pF	GRM1553C1H3R4BA01#
				±0.25pF	GRM1553C1H3R4CA01#
			3.5pF	±0.05pF	GRM1553C1H3R5WA01#
				±0.1pF	GRM1553C1H3R5BA01#
				· ·	GRM1553C1H3R5CA01#
			3.6pF	-	GRM1553C1H3R6WA01#
			-	±0.1pF	GRM1553C1H3R6BA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	CJ	3.6pF	±0.25pF	GRM1553C1H3R6CA01#	
			3.7pF	±0.05pF	GRM1553C1H3R7WA01#	
				±0.1pF	GRM1553C1H3R7BA01#	
				±0.25pF	GRM1553C1H3R7CA01#	
			3.8pF	±0.05pF	GRM1553C1H3R8WA01#	
				±0.1pF	GRM1553C1H3R8BA01#	
				±0.25pF	GRM1553C1H3R8CA01#	
			3.9pF	±0.05pF	GRM1553C1H3R9WA01#	
				±0.1pF	GRM1553C1H3R9BA01#	
				±0.25pF	GRM1553C1H3R9CA01#	
		СН	4.0pF	±0.05pF	GRM1552C1H4R0WA01#	
				±0.1pF	GRM1552C1H4R0BA01#	
				±0.25pF	GRM1552C1H4R0CA01#	
			4.1pF	±0.05pF	GRM1552C1H4R1WA01#	
				±0.1pF	GRM1552C1H4R1BA01#	
				±0.25pF	GRM1552C1H4R1CA01#	
			4.2pF	±0.05pF	GRM1552C1H4R2WA01#	
				±0.1pF	GRM1552C1H4R2BA01#	
				±0.25pF	GRM1552C1H4R2CA01#	
			4.3pF	±0.05pF	GRM1552C1H4R3WA01#	
				±0.1pF	GRM1552C1H4R3BA01#	
				±0.25pF	GRM1552C1H4R3CA01#	
			4.4pF	±0.05pF	GRM1552C1H4R4WA01#	
				±0.1pF	GRM1552C1H4R4BA01#	
				±0.25pF	GRM1552C1H4R4CA01#	
			4.5pF	±0.05pF	GRM1552C1H4R5WA01#	
				±0.1pF	GRM1552C1H4R5BA01#	
				±0.25pF	GRM1552C1H4R5CA01#	
			4.6pF	±0.05pF	GRM1552C1H4R6WA01#	
				±0.1pF	GRM1552C1H4R6BA01#	
				±0.25pF	GRM1552C1H4R6CA01#	
			4.7pF	±0.05pF	GRM1552C1H4R7WA01#	
				±0.1pF	GRM1552C1H4R7BA01#	
				±0.25pF	GRM1552C1H4R7CA01#	
			4.8pF	±0.05pF	GRM1552C1H4R8WA01#	
				±0.1pF	GRM1552C1H4R8BA01#	
				±0.25pF	GRM1552C1H4R8CA01#	
			4.9pF	±0.05pF	GRM1552C1H4R9WA01#	
				±0.1pF	GRM1552C1H4R9BA01#	
				±0.25pF	GRM1552C1H4R9CA01#	
			5.0pF	±0.05pF	GRM1552C1H5R0WA01#	
				±0.1pF	GRM1552C1H5R0BA01#	
				±0.25pF	GRM1552C1H5R0CA01#	
			5.1pF		GRM1552C1H5R1WA01#	
					GRM1552C1H5R1BA01#	
				· ·	GRM1552C1H5R1CA01#	
					GRM1552C1H5R1DA01#	
			5.2pF	· ·	GRM1552C1H5R2WA01#	
					GRM1552C1H5R2BA01#	
					GRM1552C1H5R2CA01#	
				-	GRM1552C1H5R2DA01#	
			5.3pF		GRM1552C1H5R3WA01#	
					GRM1552C1H5R3BA01#	
				±0.25pF	GRM1552C1H5R3CA01#	

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GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

	.0.511111					
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	СН	5.3pF	±0.5pF	GRM1552C1H5R3DA01#	
			5.4pF	±0.05pF	GRM1552C1H5R4WA01#	
				±0.1pF	GRM1552C1H5R4BA01#	
				±0.25pF	GRM1552C1H5R4CA01#	
				±0.5pF	GRM1552C1H5R4DA01#	
			5.5pF	±0.05pF	GRM1552C1H5R5WA01#	
				±0.1pF	GRM1552C1H5R5BA01#	
				±0.25pF	GRM1552C1H5R5CA01#	
				±0.5pF	GRM1552C1H5R5DA01#	
			5.6pF	±0.05pF	GRM1552C1H5R6WA01#	
				±0.1pF	GRM1552C1H5R6BA01#	
				±0.25pF	GRM1552C1H5R6CA01#	
				±0.5pF	GRM1552C1H5R6DA01#	
			5.7pF	±0.05pF	GRM1552C1H5R7WA01#	
				±0.1pF	GRM1552C1H5R7BA01#	
				±0.25pF	GRM1552C1H5R7CA01#	
				±0.5pF	GRM1552C1H5R7DA01#	
			5.8pF	±0.05pF	GRM1552C1H5R8WA01#	
				±0.1pF	GRM1552C1H5R8BA01#	
				±0.25pF	GRM1552C1H5R8CA01#	
				±0.5pF	GRM1552C1H5R8DA01#	
			5.9pF	±0.05pF	GRM1552C1H5R9WA01#	
				±0.1pF	GRM1552C1H5R9BA01#	
				±0.25pF	GRM1552C1H5R9CA01#	
				±0.5pF	GRM1552C1H5R9DA01#	
			6.0pF	±0.05pF	GRM1552C1H6R0WA01#	
				±0.1pF	GRM1552C1H6R0BA01#	
				±0.25pF	GRM1552C1H6R0CA01#	
				±0.5pF	GRM1552C1H6R0DA01#	
			6.1pF	±0.05pF	GRM1552C1H6R1WA01#	
				±0.1pF	GRM1552C1H6R1BA01#	
				±0.25pF	GRM1552C1H6R1CA01#	
				±0.5pF	GRM1552C1H6R1DA01#	
			6.2pF	±0.05pF	GRM1552C1H6R2WA01#	
				±0.1pF	GRM1552C1H6R2BA01#	
				-	GRM1552C1H6R2CA01#	
					GRM1552C1H6R2DA01#	
			6.3pF		GRM1552C1H6R3WA01#	
				<u> </u>	GRM1552C1H6R3BA01#	
				<u> </u>	GRM1552C1H6R3CA01#	
			6		GRM1552C1H6R3DA01#	
			6.4pF	· ·	GRM1552C1H6R4WA01#	
				· ·	GRM1552C1H6R4BA01#	
				· ·	GRM1552C1H6R4CA01#	
			6.55	· ·	GRM1552C1H6R4DA01#	
			6.5pF		GRM1552C1H6R5WA01#	
				-	GRM1552C1H6R5BA01#	
					GRM1552C1H6R5CA01#	
			6.6		GRM1552C1H6R5DA01#	
			6.6pF	· ·	GRM1552C1H6R6WA01#	
					GRM1552C1H6R6BA01#	
				-	GRM1552C1H6R6CA01#	
			6.70.		GRM1552C1H6R6DA01#	
			6.7pF	±0.05pF	GRM1552C1H6R7WA01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	50Vdc	СН	6.7pF	±0.1pF	GRM1552C1H6R7BA01#
				±0.25pF	GRM1552C1H6R7CA01#
				±0.5pF	GRM1552C1H6R7DA01#
			6.8pF	±0.05pF	GRM1552C1H6R8WA01#
				±0.1pF	GRM1552C1H6R8BA01#
				±0.25pF	GRM1552C1H6R8CA01#
		±0.5pF GRM15	GRM1552C1H6R8DA01#		
			6.9pF	±0.05pF	GRM1552C1H6R9WA01#
				±0.1pF	GRM1552C1H6R9BA01#
				±0.25pF	GRM1552C1H6R9CA01#
				±0.5pF	GRM1552C1H6R9DA01#
		-	7.0pF	±0.05pF	GRM1552C1H7R0WA01#
				±0.1pF	GRM1552C1H7R0BA01#
				±0.25pF	GRM1552C1H7R0CA01#
				±0.5pF	GRM1552C1H7R0DA01#
		-	7.1pF	±0.05pF	GRM1552C1H7R1WA01#
			•	±0.1pF	GRM1552C1H7R1BA01#
					GRM1552C1H7R1CA01#
					GRM1552C1H7R1DA01#
			7.2pF	-	GRM1552C1H7R2WA01#
					GRM1552C1H7R2BA01#
					GRM1552C1H7R2CA01#
					GRM1552C1H7R2DA01#
			7.3pF	-	GRM1552C1H7R3WA01#
			7.5pi		GRM1552C1H7R3BA01#
					GRM1552C1H7R3CA01#
					GRM1552C1H7R3DA01#
			7.4pF	-	GRM1552C1H7R4WA01#
					GRM1552C1H7R4WA01#
					GRM1552C1H7R4CA01#
					GRM1552C1H7R4DA01#
			7 5nF		GRM1552C1H7R5WA01#
			7.5pF	±0.1pF	
					GRM1552C1H7R5BA01# GRM1552C1H7R5CA01#
					GRM1552C1H7R5DA01#
			7.6pF		
			7.орг		GRM1552C1H7R6WA01#
					GRM1552C1H7R6BA01#
					GRM1552C1H7R6CA01#
			7 7		GRM1552C1H7R6DA01#
			7.7pF		GRM1552C1H7R7WA01#
					GRM1552C1H7R7BA01#
				· ·	GRM1552C1H7R7CA01#
		-			GRM1552C1H7R7DA01#
			7.8pF		GRM1552C1H7R8WA01#
					GRM1552C1H7R8BA01#
				· ·	GRM1552C1H7R8CA01#
					GRM1552C1H7R8DA01#
			7.9pF	· ·	GRM1552C1H7R9WA01#
					GRM1552C1H7R9BA01#
					GRM1552C1H7R9CA01#
				-	GRM1552C1H7R9DA01#
			8.0pF		GRM1552C1H8R0WA01#
					GRM1552C1H8R0BA01#
				±0.25pF	GRM1552C1H8R0CA01#

(→ 1.0>	0.5mm	1)	-		•	
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	СН	8.0pF	±0.5pF	GRM1552C1H8R0DA01#	
			8.1pF	±0.05pF	GRM1552C1H8R1WA01#	
				±0.1pF	GRM1552C1H8R1BA01#	
				±0.25pF	GRM1552C1H8R1CA01#	
				±0.5pF	GRM1552C1H8R1DA01#	
			8.2pF	±0.05pF	GRM1552C1H8R2WA01#	
				±0.1pF	GRM1552C1H8R2BA01#	
				±0.25pF	GRM1552C1H8R2CA01#	
				±0.5pF	GRM1552C1H8R2DA01#	
			8.3pF	±0.05pF	GRM1552C1H8R3WA01#	
				±0.1pF	GRM1552C1H8R3BA01#	
				±0.25pF	GRM1552C1H8R3CA01#	
				±0.5pF	GRM1552C1H8R3DA01#	
			8.4pF	±0.05pF	GRM1552C1H8R4WA01#	
				±0.1pF	GRM1552C1H8R4BA01#	
				±0.25pF	GRM1552C1H8R4CA01#	_
				±0.5pF	GRM1552C1H8R4DA01#	
			8.5pF	±0.05pF	GRM1552C1H8R5WA01#	
				· ·	GRM1552C1H8R5BA01#	
				· ·	GRM1552C1H8R5CA01#	
					GRM1552C1H8R5DA01#	_
			8.6pF	±0.05pF	GRM1552C1H8R6WA01#	_
				· ·	GRM1552C1H8R6BA01#	_
				-	GRM1552C1H8R6CA01#	_
				· ·	GRM1552C1H8R6DA01#	_
			8.7pF	-	GRM1552C1H8R7WA01#	_
				<u> </u>	GRM1552C1H8R7BA01#	_
				-	GRM1552C1H8R7CA01#	_
			0.0-5		GRM1552C1H8R7DA01#	_
			8.8pF	-	GRM1552C1H8R8WA01#	_
				<u> </u>	GRM1552C1H8R8BA01# GRM1552C1H8R8CA01#	_
					GRM1552C1H8R8DA01#	_
			8.9pF	· ·	GRM1552C1H8R9WA01#	_
			0.5рі		GRM1552C1H8R9BA01#	_
				<u> </u>	GRM1552C1H8R9CA01#	_
				<u> </u>	GRM1552C1H8R9DA01#	_
			9.0pF		GRM1552C1H9R0WA01#	_
					GRM1552C1H9R0BA01#	_
					GRM1552C1H9R0CA01#	_
					GRM1552C1H9R0DA01#	_
			9.1pF		GRM1552C1H9R1WA01#	_
			·	· ·	GRM1552C1H9R1BA01#	_
				±0.25pF	GRM1552C1H9R1CA01#	
				· ·	GRM1552C1H9R1DA01#	_
			9.2pF	±0.05pF	GRM1552C1H9R2WA01#	
				±0.1pF	GRM1552C1H9R2BA01#	
				±0.25pF	GRM1552C1H9R2CA01#	_
				±0.5pF	GRM1552C1H9R2DA01#	
			9.3pF	±0.05pF	GRM1552C1H9R3WA01#	_
				±0.1pF	GRM1552C1H9R3BA01#	
				±0.25pF	GRM1552C1H9R3CA01#	_
				±0.5pF	GRM1552C1H9R3DA01#	
			9.4pF	±0.05pF	GRM1552C1H9R4WA01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	СН	9.4pF	±0.1pF	GRM1552C1H9R4BA01#	
				±0.25pF	GRM1552C1H9R4CA01#	
				±0.5pF	GRM1552C1H9R4DA01#	
			9.5pF	±0.05pF	GRM1552C1H9R5WA01#	
				±0.1pF	GRM1552C1H9R5BA01#	
				±0.25pF	GRM1552C1H9R5CA01#	
				±0.5pF	GRM1552C1H9R5DA01#	
			9.6pF	±0.05pF	GRM1552C1H9R6WA01#	
				±0.1pF	GRM1552C1H9R6BA01#	
				±0.25pF	GRM1552C1H9R6CA01#	
				±0.5pF	GRM1552C1H9R6DA01#	
			9.7pF	±0.05pF	GRM1552C1H9R7WA01#	
				±0.1pF	GRM1552C1H9R7BA01#	
				±0.25pF	GRM1552C1H9R7CA01#	
				±0.5pF	GRM1552C1H9R7DA01#	
			9.8pF	±0.05pF	GRM1552C1H9R8WA01#	
				±0.1pF	GRM1552C1H9R8BA01#	
				±0.25pF	GRM1552C1H9R8CA01#	
				±0.5pF	GRM1552C1H9R8DA01#	
			9.9pF	±0.05pF	GRM1552C1H9R9WA01#	
				±0.1pF	GRM1552C1H9R9BA01#	
				±0.25pF	GRM1552C1H9R9CA01#	
				±0.5pF	GRM1552C1H9R9DA01#	
			10pF	±2%	GRM1552C1H100GA01#	
				±5%	GRM1552C1H100JA01#	
			12pF	±2%	GRM1552C1H120GA01#	
				±5%	GRM1552C1H120JA01#	
			15pF	±2%	GRM1552C1H150GA01#	
				±5%	GRM1552C1H150JA01#	
			18pF	±2%	GRM1552C1H180GA01#	
				±5%	GRM1552C1H180JA01#	
			22pF	±2%	GRM1552C1H220GA01#	
				±5%	GRM1552C1H220JA01#	
			27pF	±2%	GRM1552C1H270GA01#	
				±5%	GRM1552C1H270JA01#	
			33pF	±2%	GRM1552C1H330GA01#	
				±5%	GRM1552C1H330JA01#	
			39pF	±2%	GRM1552C1H390GA01#	
				±5%	GRM1552C1H390JA01#	
			47pF	±2%	GRM1552C1H470GA01#	
				±5%	GRM1552C1H470JA01#	
			56pF	±2%	GRM1552C1H560GA01#	
				±5%	GRM1552C1H560JA01#	
			68pF	±2%	GRM1552C1H680GA01#	
				±5%	GRM1552C1H680JA01#	
			82pF	±2%	GRM1552C1H820GA01#	
				±5%	GRM1552C1H820JA01#	
			100pF	±2%	GRM1552C1H101GA01#	
			465 =	±5%	GRM1552C1H101JA01#	
			120pF	±2%	GRM1552C1H121GA01#	
			150.5	±5%	GRM1552C1H121JA01#	
			150pF	±2%	GRM1552C1H151GA01#	
			100:-	±5%	GRM1552C1H151JA01#	
			180pF	±2%	GRM1552C1H181GA01#	

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GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	СН	180pF	±5%	GRM1552C1H181JA01#	
			220pF	±2%	GRM1552C1H221GA01#	
				±5%	GRM1552C1H221JA01#	
			270pF	±2%	GRM1552C1H271GA01#	
				±5%	GRM1552C1H271JA01#	
			330pF	±2%	GRM1552C1H331GA01#	
				±5%	GRM1552C1H331JA01#	
			390pF	±2%	GRM1552C1H391GA01#	
				±5%	GRM1552C1H391JA01#	
			470pF	±2%	GRM1552C1H471GA01#	
				±5%	GRM1552C1H471JA01#	
			560pF	±2%	GRM1552C1H561GA01#	
				±5%	GRM1552C1H561JA01#	
			680pF	±2%	GRM1552C1H681GA01#	
				±5%	GRM1552C1H681JA01#	
			820pF	±2%	GRM1552C1H821GA01#	
				±5%	GRM1552C1H821JA01#	
			1000pF	±2%	GRM1552C1H102GA01#	
				±5%	GRM1552C1H102JA01#	
	10Vdc	SL	1200pF	±5%	GRM1551X1A122JA01#	
			1500pF	±5%	GRM1551X1A152JA01#	
			1800pF	±5%	GRM1551X1A182JA01#	
			2200pF	±5%	GRM1551X1A222JA01#	
			2700pF	±5%	GRM1551X1A272JA01#	
			3300pF	±5%	GRM1551X1A332JA01#	
			3900pF	±5%	GRM1551X1A392JA01#	
			4700pF	±5%	GRM1551X1A472JA01#	
		U2J	1200pF	±5%	GRM1557U1A122JA01#	
			1500pF	±5%	GRM1557U1A152JA01#	
			1800pF	±5%	GRM1557U1A182JA01#	
			2200pF	±5%	GRM1557U1A222JA01#	
			2700pF	±5%	GRM1557U1A272JA01#	
			3300pF	±5%	GRM1557U1A332JA01#	
			3900pF	±5%	GRM1557U1A392JA01#	
			4700pF	±5%	GRM1557U1A472JA01#	
		UJ	1200pF	±5%	GRM1553U1A122JA01#	
			1500pF	±5%	GRM1553U1A152JA01#	
			1800pF	±5%	GRM1553U1A182JA01#	
			2200pF	±5%	GRM1553U1A222JA01#	
			2700pF	±5%	GRM1553U1A272JA01#	
			3300pF	±5%	GRM1553U1A332JA01#	_
			3900pF	±5%	GRM1553U1A392JA01#	_
			4700pF	±5%	GRM1553U1A472JA01#	

1.6×0.8mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.5mm	50Vdc	SL	2200pF	±5%	GRM1851X1H222JA44#	
			2700pF	±5%	GRM1851X1H272JA44#	
			3300pF	±5%	GRM1851X1H332JA44#	_
			3900pF	±5%	GRM1851X1H392JA44#	_
			4700pF	±5%	GRM1851X1H472JA44#	_
		U2J	2200pF	±5%	GRM1857U1H222JA44#	_

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.5mm	50Vdc	U2J	2700pF	±5%	GRM1857U1H272JA44#
			3300pF	±5%	GRM1857U1H332JA44#
			3900pF	±5%	GRM1857U1H392JA44#
			4700pF	±5%	GRM1857U1H472JA44#
		UJ	2200pF	±5%	GRM1853U1H222JA44#
			2700pF	±5%	GRM1853U1H272JA44#
			3300pF	±5%	GRM1853U1H332JA44#
			3900pF	±5%	GRM1853U1H392JA44#
			4700pF	±5%	GRM1853U1H472JA44#
	10Vdc	SL	5600pF	±5%	GRM1851X1A562JA44#
			6800pF	±5%	GRM1851X1A682JA44#
			8200pF	±5%	GRM1851X1A822JA44#
			10000pF	±5%	GRM1851X1A103JA44#
		U2J	5600pF	±5%	GRM1857U1A562JA44#
			6800pF	±5%	GRM1857U1A682JA44#
			8200pF	±5%	GRM1857U1A822JA44#
			10000pF	±5%	GRM1857U1A103JA44#
		UJ	5600pF	±5%	GRM1853U1A562JA44#
			6800pF	±5%	GRM1853U1A682JA44#
			8200pF	±5%	GRM1853U1A822JA44#
			10000pF	±5%	GRM1853U1A103JA44#
0.9mm	100Vdc	COG	0.50pF	±0.05pF	GRM1885C2AR50WA01#
				±0.1pF	GRM1885C2AR50BA01#
			0.60pF	±0.05pF	GRM1885C2AR60WA01#
				±0.1pF	GRM1885C2AR60BA01#
			0.70pF	±0.05pF	GRM1885C2AR70WA01#
				±0.1pF	GRM1885C2AR70BA01#
			0.80pF	±0.05pF	GRM1885C2AR80WA01#
				±0.1pF	GRM1885C2AR80BA01#
			0.90pF	±0.05pF	GRM1885C2AR90WA01#
				±0.1pF	GRM1885C2AR90BA01#
			1.0pF	±0.05pF	GRM1885C2A1R0WA01#
				±0.1pF	GRM1885C2A1R0BA01#
				±0.25pF	GRM1885C2A1R0CA01#
			1.1pF	±0.05pF	GRM1885C2A1R1WA01#
				±0.1pF	GRM1885C2A1R1BA01#
				±0.25pF	GRM1885C2A1R1CA01#
			1.2pF	±0.05pF	GRM1885C2A1R2WA01#
				±0.1pF	GRM1885C2A1R2BA01#
				±0.25pF	GRM1885C2A1R2CA01#
			1.3pF	±0.05pF	GRM1885C2A1R3WA01#
				±0.1pF	GRM1885C2A1R3BA01#
				±0.25pF	GRM1885C2A1R3CA01#
			1.4pF	±0.05pF	GRM1885C2A1R4WA01#
				±0.1pF	GRM1885C2A1R4BA01#
				±0.25pF	GRM1885C2A1R4CA01#
			1.5pF	±0.05pF	GRM1885C2A1R5WA01#
				±0.1pF	GRM1885C2A1R5BA01#
				±0.25pF	GRM1885C2A1R5CA01#
			1.6pF	±0.05pF	GRM1885C2A1R6WA01#
				±0.1pF	GRM1885C2A1R6BA01#
				±0.25pF	GRM1885C2A1R6CA01#
		0			
			1.7pF	±0.05pF	GRM1885C2A1R7WA01#

GA2

GA3 GD

GA3 GF

GRM Series Temperature Compensating Type Part Number List

(→ 1.6	«0.8mm	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	COG	1.7pF	±0.25pF	GRM1885C2A1R7CA01#	
			1.8pF	±0.05pF	GRM1885C2A1R8WA01#	
				±0.1pF	GRM1885C2A1R8BA01#	
				±0.25pF	GRM1885C2A1R8CA01#	
			1.9pF	±0.05pF	GRM1885C2A1R9WA01#	
				±0.1pF	GRM1885C2A1R9BA01#	
				±0.25pF	GRM1885C2A1R9CA01#	
			2.0pF	±0.05pF	GRM1885C2A2R0WA01#	
				±0.1pF	GRM1885C2A2R0BA01#	
				±0.25pF	GRM1885C2A2R0CA01#	
			2.1pF	±0.05pF	GRM1885C2A2R1WA01#	
				±0.1pF	GRM1885C2A2R1BA01#	
				±0.25pF	GRM1885C2A2R1CA01#	
			2.2pF	±0.05pF	GRM1885C2A2R2WA01#	
				±0.1pF	GRM1885C2A2R2BA01#	
				±0.25pF	GRM1885C2A2R2CA01#	
			2.3pF	±0.05pF	GRM1885C2A2R3WA01#	
				±0.1pF	GRM1885C2A2R3BA01#	
				±0.25pF	GRM1885C2A2R3CA01#	
			2.4pF	±0.05pF	GRM1885C2A2R4WA01#	
				±0.1pF	GRM1885C2A2R4BA01#	
				±0.25pF	GRM1885C2A2R4CA01#	
			2.5pF	±0.05pF	GRM1885C2A2R5WA01#	
				±0.1pF	GRM1885C2A2R5BA01#	
					±0.25pF	GRM1885C2A2R5CA01#
			2.6pF	±0.05pF	GRM1885C2A2R6WA01#	
				±0.1pF	GRM1885C2A2R6BA01#	
				±0.25pF	GRM1885C2A2R6CA01#	
			2.7pF	±0.05pF	GRM1885C2A2R7WA01#	
				±0.1pF	GRM1885C2A2R7BA01#	
				±0.25pF	GRM1885C2A2R7CA01#	
			2.8pF	±0.05pF	GRM1885C2A2R8WA01#	
				±0.1pF	GRM1885C2A2R8BA01#	
				±0.25pF	GRM1885C2A2R8CA01#	
			2.9pF	±0.05pF	GRM1885C2A2R9WA01#	
				±0.1pF	GRM1885C2A2R9BA01#	
				±0.25pF	GRM1885C2A2R9CA01#	
			3.0pF	±0.05pF	GRM1885C2A3R0WA01#	
				±0.1pF	GRM1885C2A3R0BA01#	
				±0.25pF	GRM1885C2A3R0CA01#	
			3.1pF	±0.05pF	GRM1885C2A3R1WA01#	
				±0.1pF	GRM1885C2A3R1BA01#	
				±0.25pF	GRM1885C2A3R1CA01#	
			3.2pF	-	GRM1885C2A3R2WA01#	
				-	GRM1885C2A3R2BA01#	
				-	GRM1885C2A3R2CA01#	
			3.3pF		GRM1885C2A3R3WA01#	
				-	GRM1885C2A3R3BA01#	
			2.4:5		GRM1885C2A3R3CA01#	
			3.4pF		GRM1885C2A3R4WA01#	
				-	GRM1885C2A3R4BA01#	
			25-5	· ·	GRM1885C2A3R4CA01#	
			3.5pF	-	GRM1885C2A3R5WA01#	
				±0.1pF	GRM1885C2A3R5BA01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	COG	3.5pF	±0.25pF	GRM1885C2A3R5CA01#	
			3.6pF	±0.05pF	GRM1885C2A3R6WA01#	
				±0.1pF	GRM1885C2A3R6BA01#	
				±0.25pF	GRM1885C2A3R6CA01#	
			3.7pF	±0.05pF	GRM1885C2A3R7WA01#	
				±0.1pF	GRM1885C2A3R7BA01#	
				±0.25pF	GRM1885C2A3R7CA01#	
			3.8pF	±0.05pF	GRM1885C2A3R8WA01#	
				±0.1pF	GRM1885C2A3R8BA01#	
				±0.25pF	GRM1885C2A3R8CA01#	
			3.9pF	±0.05pF	GRM1885C2A3R9WA01#	
				±0.1pF	GRM1885C2A3R9BA01#	
				· ·	GRM1885C2A3R9CA01#	
			4.0pF		GRM1885C2A4R0WA01#	
				±0.1pF	GRM1885C2A4R0BA01#	
					GRM1885C2A4R0CA01#	
			4.1pF		GRM1885C2A4R1WA01#	
					GRM1885C2A4R1BA01#	
			4.2		GRM1885C2A4R1CA01#	
			4.2pF		GRM1885C2A4R2WA01#	
				<u> </u>	GRM1885C2A4R2BA01#	
			42-5	-	GRM1885C2A4R2CA01#	
			4.3pF	· ·	GRM1885C2A4R3WA01#	
				<u> </u>	GRM1885C2A4R3BA01# GRM1885C2A4R3CA01#	
			4.4pF		GRM1885C2A4R4WA01#	
			4.4рі	±0.1pF	GRM1885C2A4R4BA01#	
				-	GRM1885C2A4R4CA01#	
			4.5pF	· ·	GRM1885C2A4R5WA01#	
				±0.1pF	GRM1885C2A4R5BA01#	
					GRM1885C2A4R5CA01#	
			4.6pF	<u> </u>	GRM1885C2A4R6WA01#	
					GRM1885C2A4R6BA01#	
					GRM1885C2A4R6CA01#	
			4.7pF	±0.05pF	GRM1885C2A4R7WA01#	
				±0.1pF	GRM1885C2A4R7BA01#	
				±0.25pF	GRM1885C2A4R7CA01#	
			4.8pF	±0.05pF	GRM1885C2A4R8WA01#	
				±0.1pF	GRM1885C2A4R8BA01#	
				±0.25pF	GRM1885C2A4R8CA01#	
			4.9pF	±0.05pF	GRM1885C2A4R9WA01#	
				±0.1pF	GRM1885C2A4R9BA01#	
				±0.25pF	GRM1885C2A4R9CA01#	
			5.0pF	±0.05pF	GRM1885C2A5R0WA01#	
				±0.1pF	GRM1885C2A5R0BA01#	
				±0.25pF	GRM1885C2A5R0CA01#	
			5.1pF	±0.05pF	GRM1885C2A5R1WA01#	
				±0.1pF	GRM1885C2A5R1BA01#	
				±0.25pF	GRM1885C2A5R1CA01#	
				±0.5pF	GRM1885C2A5R1DA01#	
			5.2pF	±0.05pF	GRM1885C2A5R2WA01#	
				±0.1pF	GRM1885C2A5R2BA01#	
				±0.25pF	GRM1885C2A5R2CA01#	
				±0.5pF	GRM1885C2A5R2DA01#	

(→ 1.6	0.8mm	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	COG	5.3pF	±0.05pF	GRM1885C2A5R3WA01#
				±0.1pF	GRM1885C2A5R3BA01#
				±0.25pF	GRM1885C2A5R3CA01#
				±0.5pF	GRM1885C2A5R3DA01#
			5.4pF	±0.05pF	GRM1885C2A5R4WA01#
				±0.1pF	GRM1885C2A5R4BA01#
				±0.25pF	GRM1885C2A5R4CA01#
				±0.5pF	GRM1885C2A5R4DA01#
			5.5pF	±0.05pF	GRM1885C2A5R5WA01#
				±0.1pF	GRM1885C2A5R5BA01#
				±0.25pF	GRM1885C2A5R5CA01#
				±0.5pF	GRM1885C2A5R5DA01#
			5.6pF	±0.05pF	GRM1885C2A5R6WA01#
				±0.1pF	GRM1885C2A5R6BA01#
				±0.25pF	GRM1885C2A5R6CA01#
					GRM1885C2A5R6DA01#
			5.7pF		GRM1885C2A5R7WA01#
			о р.		GRM1885C2A5R7BA01#
					GRM1885C2A5R7CA01#
					GRM1885C2A5R7DA01#
			5.8pF	· ·	
			5.6pr		GRM1885C2A5R8WA01#
					GRM1885C2A5R8BA01#
					GRM1885C2A5R8CA01#
				· ·	GRM1885C2A5R8DA01#
			5.9pF		GRM1885C2A5R9WA01#
				±0.1pF	GRM1885C2A5R9BA01#
				±0.25pF	GRM1885C2A5R9CA01#
				±0.5pF	GRM1885C2A5R9DA01#
			6.0pF	±0.05pF	GRM1885C2A6R0WA01#
				±0.1pF	GRM1885C2A6R0BA01#
				±0.25pF	GRM1885C2A6R0CA01#
				±0.5pF	GRM1885C2A6R0DA01#
			6.1pF	±0.05pF	GRM1885C2A6R1WA01#
				±0.1pF	GRM1885C2A6R1BA01#
				±0.25pF	GRM1885C2A6R1CA01#
				±0.5pF	GRM1885C2A6R1DA01#
			6.2pF	±0.05pF	GRM1885C2A6R2WA01#
				±0.1pF	GRM1885C2A6R2BA01#
				±0.25pF	GRM1885C2A6R2CA01#
				±0.5pF	GRM1885C2A6R2DA01#
			6.3pF	±0.05pF	GRM1885C2A6R3WA01#
				±0.1pF	GRM1885C2A6R3BA01#
				±0.25pF	GRM1885C2A6R3CA01#
				±0.5pF	GRM1885C2A6R3DA01#
			6.4pF	±0.05pF	GRM1885C2A6R4WA01#
				±0.1pF	GRM1885C2A6R4BA01#
				±0.25pF	GRM1885C2A6R4CA01#
				±0.5pF	GRM1885C2A6R4DA01#
			6.5pF	· ·	GRM1885C2A6R5WA01#
					GRM1885C2A6R5BA01#
					GRM1885C2A6R5CA01#
					GRM1885C2A6R5DA01#
			6.6pF		GRM1885C2A6R6WA01#
			J. 0pi	±0.1pF	GRM1885C2A6R6BA01#
				pi	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	COG	6.6pF	±0.25pF	GRM1885C2A6R6CA01#	
				±0.5pF	GRM1885C2A6R6DA01#	
			6.7pF	±0.05pF	GRM1885C2A6R7WA01#	
				±0.1pF	GRM1885C2A6R7BA01#	
				±0.25pF	GRM1885C2A6R7CA01#	
				±0.5pF	GRM1885C2A6R7DA01#	_
			6.8pF	±0.05pF	GRM1885C2A6R8WA01#	
			·		GRM1885C2A6R8BA01#	
				±0.25pF	GRM1885C2A6R8CA01#	
				±0.5pF	GRM1885C2A6R8DA01#	
			6.9pF		GRM1885C2A6R9WA01#	
			·		GRM1885C2A6R9BA01#	
					GRM1885C2A6R9CA01#	
					GRM1885C2A6R9DA01#	
			7.0pF		GRM1885C2A7R0WA01#	
					GRM1885C2A7R0BA01#	_
					GRM1885C2A7R0CA01#	
					GRM1885C2A7R0DA01#	
			7.1pF		GRM1885C2A7R1WA01#	
			7.1p.		GRM1885C2A7R1BA01#	_
					GRM1885C2A7R1CA01#	
					GRM1885C2A7R1DA01#	
			7.2pF		GRM1885C2A7R2WA01#	
			7.2pi		GRM1885C2A7R2BA01#	
					GRM1885C2A7R2CA01#	—
					GRM1885C2A7R2DA01#	—
			7.3pF		GRM1885C2A7R3WA01#	
			7.5pi		GRM1885C2A7R3BA01#	
					GRM1885C2A7R3CA01#	
				<u>_</u>	GRM1885C2A7R3DA01#	
			7.4pF	· ·	GRM1885C2A7R4WA01#	
			7. 4 pi		GRM1885C2A7R4BA01#	
					GRM1885C2A7R4CA01#	—
					GRM1885C2A7R4DA01#	
			7.5pF		GRM1885C2A7R5WA01#	
			7.5pi		GRM1885C2A7R5BA01#	
				_	GRM1885C2A7R5CA01#	
					GRM1885C2A7R5DA01#	
			7.6pF	-	GRM1885C2A7R5DA01#	
			, .opr		GRM1885C2A7R6BA01#	
					GRM1885C2A7R6CA01#	
					GRM1885C2A7R6CA01#	_
			7.7pF			_
			ι.ι ρ Γ		GRM1885C2A7R7WA01#	
					GRM1885C2A7R7BA01# GRM1885C2A7R7CA01#	
				· ·	GRM1885C2A7R7CA01#	
			7.8pF		GRM1885C2A7R7DA01#	_
			, .opr	· ·	GRM1885C2A7R8BA01#	
					GRM1885C2A7R8CA01#	
				· ·	GRM1885C2A7R8DA01#	
			7.9pF		GRM1885C2A7R9WA01#	
			, .5hc		GRM1885C2A7R9BA01#	_
					GRM1885C2A7R9CA01#	_
				±0.25pF	GRM1885C2A7R9DA01#	_
				±0.5pr	GRITIOGSCZA/RSDAUI#	

(→ 1.6	«0.8mm	1)	-		•
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	COG	8.0pF	±0.05pF	GRM1885C2A8R0WA01#
				±0.1pF	GRM1885C2A8R0BA01#
				±0.25pF	GRM1885C2A8R0CA01#
				±0.5pF	GRM1885C2A8R0DA01#
			8.1pF	±0.05pF	GRM1885C2A8R1WA01#
				±0.1pF	GRM1885C2A8R1BA01#
				±0.25pF	GRM1885C2A8R1CA01#
				±0.5pF	GRM1885C2A8R1DA01#
			8.2pF	±0.05pF	GRM1885C2A8R2WA01#
				±0.1pF	GRM1885C2A8R2BA01#
				±0.25pF	GRM1885C2A8R2CA01#
				±0.5pF	GRM1885C2A8R2DA01#
			8.3pF	±0.05pF	GRM1885C2A8R3WA01#
				±0.1pF	GRM1885C2A8R3BA01#
				±0.25pF	GRM1885C2A8R3CA01#
				±0.5pF	GRM1885C2A8R3DA01#
			8.4pF	±0.05pF	GRM1885C2A8R4WA01#
				±0.1pF	GRM1885C2A8R4BA01#
				±0.25pF	GRM1885C2A8R4CA01#
				±0.5pF	GRM1885C2A8R4DA01#
			8.5pF	±0.05pF	GRM1885C2A8R5WA01#
				±0.1pF	GRM1885C2A8R5BA01#
				±0.25pF	GRM1885C2A8R5CA01#
				±0.5pF	GRM1885C2A8R5DA01#
			8.6pF	±0.05pF	GRM1885C2A8R6WA01#
				±0.1pF	GRM1885C2A8R6BA01#
				±0.25pF	GRM1885C2A8R6CA01#
				±0.5pF	GRM1885C2A8R6DA01#
			8.7pF	±0.05pF	GRM1885C2A8R7WA01#
				±0.1pF	GRM1885C2A8R7BA01#
				±0.25pF	GRM1885C2A8R7CA01#
				±0.5pF	GRM1885C2A8R7DA01#
			8.8pF	±0.05pF	GRM1885C2A8R8WA01#
				±0.1pF	GRM1885C2A8R8BA01#
				±0.25pF	GRM1885C2A8R8CA01#
				±0.5pF	GRM1885C2A8R8DA01#
			8.9pF	±0.05pF	GRM1885C2A8R9WA01#
				±0.1pF	GRM1885C2A8R9BA01#
				±0.25pF	GRM1885C2A8R9CA01#
				±0.5pF	GRM1885C2A8R9DA01#
			9.0pF	±0.05pF	GRM1885C2A9R0WA01#
				±0.1pF	GRM1885C2A9R0BA01#
				±0.25pF	GRM1885C2A9R0CA01#
				±0.5pF	GRM1885C2A9R0DA01#
			9.1pF	±0.05pF	GRM1885C2A9R1WA01#
				±0.1pF	GRM1885C2A9R1BA01#
				±0.25pF	GRM1885C2A9R1CA01#
				±0.5pF	GRM1885C2A9R1DA01#
			9.2pF	±0.05pF	GRM1885C2A9R2WA01#
				±0.1pF	GRM1885C2A9R2BA01#
				±0.25pF	GRM1885C2A9R2CA01#
				±0.5pF	GRM1885C2A9R2DA01#
			9.3pF	±0.05pF	GRM1885C2A9R3WA01#
				±0.1pF	GRM1885C2A9R3BA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	COG	9.3pF	±0.25pF	GRM1885C2A9R3CA01#	
				±0.5pF	GRM1885C2A9R3DA01#	
			9.4pF	±0.05pF	GRM1885C2A9R4WA01#	
				±0.1pF	GRM1885C2A9R4BA01#	
				±0.25pF	GRM1885C2A9R4CA01#	
				•	GRM1885C2A9R4DA01#	
			9.5pF		GRM1885C2A9R5WA01#	
				±0.1pF	GRM1885C2A9R5BA01#	
				±0.25pF	GRM1885C2A9R5CA01#	
				•	GRM1885C2A9R5DA01#	
			9.6pF	±0.05pF	GRM1885C2A9R6WA01#	
				<u> </u>	GRM1885C2A9R6BA01#	
				<u> </u>	GRM1885C2A9R6CA01#	
					GRM1885C2A9R6DA01#	
			9.7pF	· ·	GRM1885C2A9R7WA01#	
				· ·	GRM1885C2A9R7BA01#	
				±0.25pF	GRM1885C2A9R7CA01#	
					GRM1885C2A9R7DA01#	
			9.8pF	±0.05pF	GRM1885C2A9R8WA01#	
				±0.1pF	GRM1885C2A9R8BA01#	
				±0.25pF	GRM1885C2A9R8CA01#	
				±0.5pF	GRM1885C2A9R8DA01#	
			9.9pF	±0.05pF	GRM1885C2A9R9WA01#	
				±0.1pF	GRM1885C2A9R9BA01#	
				±0.25pF	GRM1885C2A9R9CA01#	
				±0.5pF	GRM1885C2A9R9DA01#	
			10pF	±5%	GRM1885C2A100JA01#	
			12pF	±5%	GRM1885C2A120JA01#	
			15pF	±5%	GRM1885C2A150JA01#	
			18pF	±5%	GRM1885C2A180JA01#	
			22pF	±5%	GRM1885C2A220JA01#	
			27pF	±5%	GRM1885C2A270JA01#	
			33pF	±5%	GRM1885C2A330JA01#	
			39pF	±5%	GRM1885C2A390JA01#	
			47pF	±5%	GRM1885C2A470JA01#	
			56pF	±5%	GRM1885C2A560JA01#	
			68pF	±5%	GRM1885C2A680JA01#	
			82pF	±5%	GRM1885C2A820JA01#	
			100pF	±5%	GRM1885C2A101JA01#	
			120pF	±5%	GRM1885C2A121JA01#	
			150pF	±5%	GRM1885C2A151JA01#	
			180pF	±5%	GRM1885C2A181JA01#	
			220pF	±5%	GRM1885C2A221JA01#	
			270pF	±5%	GRM1885C2A271JA01#	
			330pF	±5%	GRM1885C2A331JA01#	
			390pF	±5%	GRM1885C2A391JA01#	
			470pF	±5%	GRM1885C2A471JA01#	
			560pF	±5%	GRM1885C2A561JA01#	
			680pF	±5%	GRM1885C2A681JA01#	
			820pF	±5%	GRM1885C2A821JA01#	
			1000pF	±5%	GRM1885C2A102JA01#	
			1200pF	±5%	GRM1885C2A122JA01#	
		CIZ	1500pF	±5%	GRM1885C2A152JA01#	
		CK	0.50pF	±0.05pF	GRM1884C2AR50WA01#	

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(→ 1.

GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

(→ 1.6)	0.8mm،	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	СК	0.50pF	±0.1pF	GRM1884C2AR50BA01#
			0.60pF	±0.05pF	GRM1884C2AR60WA01#
				±0.1pF	GRM1884C2AR60BA01#
			0.70pF	±0.05pF	GRM1884C2AR70WA01#
				±0.1pF	GRM1884C2AR70BA01#
			0.80pF	-	GRM1884C2AR80WA01#
				<u> </u>	GRM1884C2AR80BA01#
			0.90pF	-	GRM1884C2AR90WA01#
			0.50рі	<u> </u>	GRM1884C2AR90BA01#
			10-5		
			1.0pF		GRM1884C2A1R0WA01#
					GRM1884C2A1R0BA01#
				-	GRM1884C2A1R0CA01#
			1.1pF	±0.05pF	GRM1884C2A1R1WA01#
				±0.1pF	GRM1884C2A1R1BA01#
				±0.25pF	GRM1884C2A1R1CA01#
			1.2pF	±0.05pF	GRM1884C2A1R2WA01#
				±0.1pF	GRM1884C2A1R2BA01#
				±0.25pF	GRM1884C2A1R2CA01#
			1.3pF	±0.05pF	GRM1884C2A1R3WA01#
				±0.1pF	GRM1884C2A1R3BA01#
				±0.25pF	GRM1884C2A1R3CA01#
			1.4pF	±0.05pF	GRM1884C2A1R4WA01#
			·	-	GRM1884C2A1R4BA01#
				<u> </u>	GRM1884C2A1R4CA01#
			1.5pF	· ·	GRM1884C2A1R5WA01#
					GRM1884C2A1R5BA01#
					GRM1884C2A1R5CA01#
			1.6pF	<u> </u>	GRM1884C2A1R6WA01#
			1.00.		GRM1884C2A1R6BA01#
					GRM1884C2A1R6CA01#
			1.7pF	-	GRM1884C2A1R7WA01#
			1.7 pi	-	GRM1884C2A1R7BA01#
				-	
			10.5		GRM1884C2A1R7CA01#
			1.8pF		GRM1884C2A1R8WA01#
				<u> </u>	GRM1884C2A1R8BA01#
				· ·	GRM1884C2A1R8CA01#
			1.9pF		GRM1884C2A1R9WA01#
					GRM1884C2A1R9BA01#
				±0.25pF	GRM1884C2A1R9CA01#
			2.0pF	±0.05pF	GRM1884C2A2R0WA01#
				±0.1pF	GRM1884C2A2R0BA01#
				±0.25pF	GRM1884C2A2R0CA01#
		C1	2.1pF	±0.05pF	GRM1883C2A2R1WA01#
				±0.1pF	GRM1883C2A2R1BA01#
				±0.25pF	GRM1883C2A2R1CA01#
			2.2pF	±0.05pF	GRM1883C2A2R2WA01#
				±0.1pF	GRM1883C2A2R2BA01#
				±0.25pF	GRM1883C2A2R2CA01#
			2.3pF	±0.05pF	GRM1883C2A2R3WA01#
				±0.1pF	GRM1883C2A2R3BA01#
				±0.25pF	GRM1883C2A2R3CA01#
			2.4pF	-	GRM1883C2A2R4WA01#
				-	GRM1883C2A2R4BA01#
					GRM1883C2A2R4CA01#
	l		l		

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	C1	2.5pF	±0.05pF	GRM1883C2A2R5WA01#
				±0.1pF	GRM1883C2A2R5BA01#
				±0.25pF	GRM1883C2A2R5CA01#
			2.6pF	±0.05pF	GRM1883C2A2R6WA01#
				±0.1pF	GRM1883C2A2R6BA01#
				±0.25pF	GRM1883C2A2R6CA01#
			2.7pF	±0.05pF	GRM1883C2A2R7WA01#
				±0.1pF	GRM1883C2A2R7BA01#
				±0.25pF	GRM1883C2A2R7CA01#
			2.8pF	±0.05pF	GRM1883C2A2R8WA01#
				±0.1pF	GRM1883C2A2R8BA01#
				±0.25pF	GRM1883C2A2R8CA01#
			2.9pF	±0.05pF	GRM1883C2A2R9WA01#
				±0.1pF	GRM1883C2A2R9BA01#
				±0.25pF	GRM1883C2A2R9CA01#
			3.0pF	±0.05pF	GRM1883C2A3R0WA01#
				±0.1pF	GRM1883C2A3R0BA01#
				±0.25pF	GRM1883C2A3R0CA01#
			3.1pF	±0.05pF	GRM1883C2A3R1WA01#
				±0.1pF	GRM1883C2A3R1BA01#
				±0.25pF	GRM1883C2A3R1CA01#
			3.2pF	±0.05pF	GRM1883C2A3R2WA01#
				±0.1pF	GRM1883C2A3R2BA01#
				±0.25pF	GRM1883C2A3R2CA01#
			3.3pF	±0.05pF	GRM1883C2A3R3WA01#
				±0.1pF	GRM1883C2A3R3BA01#
				±0.25pF	GRM1883C2A3R3CA01#
			3.4pF	±0.05pF	GRM1883C2A3R4WA01#
				±0.1pF	GRM1883C2A3R4BA01#
				±0.25pF	GRM1883C2A3R4CA01#
			3.5pF	±0.05pF	GRM1883C2A3R5WA01#
				±0.1pF	GRM1883C2A3R5BA01#
				±0.25pF	GRM1883C2A3R5CA01#
			3.6pF	±0.05pF	GRM1883C2A3R6WA01#
				±0.1pF	GRM1883C2A3R6BA01#
				±0.25pF	GRM1883C2A3R6CA01#
			3.7pF	±0.05pF	GRM1883C2A3R7WA01#
				±0.1pF	GRM1883C2A3R7BA01#
				±0.25pF	GRM1883C2A3R7CA01#
			3.8pF	±0.05pF	GRM1883C2A3R8WA01#
				±0.1pF	GRM1883C2A3R8BA01#
				±0.25pF	GRM1883C2A3R8CA01#
			3.9pF	±0.05pF	GRM1883C2A3R9WA01#
				±0.1pF	GRM1883C2A3R9BA01#
				±0.25pF	GRM1883C2A3R9CA01#
		СН	4.0pF	±0.05pF	GRM1882C2A4R0WA01#
				±0.1pF	GRM1882C2A4R0BA01#
				±0.25pF	GRM1882C2A4R0CA01#
			4.1pF	±0.05pF	GRM1882C2A4R1WA01#
				±0.1pF	GRM1882C2A4R1BA01#
				±0.25pF	GRM1882C2A4R1CA01#
			4.2pF	±0.05pF	GRM1882C2A4R2WA01#
				±0.1pF	GRM1882C2A4R2BA01#
				±0.25pF	GRM1882C2A4R2CA01#

(→ 1.6	«0.8mm	1)						
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number			
0.9mm	100Vdc	СН	4.3pF	±0.05pF	GRM1882C2A4R3WA01#			
				±0.1pF	GRM1882C2A4R3BA01#			
				±0.25pF	GRM1882C2A4R3CA01#			
			4.4pF	±0.05pF	GRM1882C2A4R4WA01#			
					±0.1pF	GRM1882C2A4R4BA01#		
				±0.25pF	GRM1882C2A4R4CA01#			
			4.5pF	±0.05pF	GRM1882C2A4R5WA01#			
				±0.1pF	GRM1882C2A4R5BA01#			
				±0.25pF	GRM1882C2A4R5CA01#			
			4.6pF	±0.05pF	GRM1882C2A4R6WA01#			
				±0.1pF	GRM1882C2A4R6BA01#			
				±0.25pF	GRM1882C2A4R6CA01#			
			4.7pF	±0.05pF	GRM1882C2A4R7WA01#			
				±0.1pF	GRM1882C2A4R7BA01#			
				±0.25pF	GRM1882C2A4R7CA01#			
			4.8pF	±0.05pF	GRM1882C2A4R8WA01#			
				±0.1pF	GRM1882C2A4R8BA01#			
				±0.25pF	GRM1882C2A4R8CA01#			
			4.9pF	±0.05pF	GRM1882C2A4R9WA01#			
				±0.1pF	GRM1882C2A4R9BA01#			
				±0.25pF	GRM1882C2A4R9CA01#			
			5.0pF	±0.05pF	GRM1882C2A5R0WA01#			
				±0.1pF	GRM1882C2A5R0BA01#			
					±0.25pF	GRM1882C2A5R0CA01#		
			5.1pF	±0.05pF	GRM1882C2A5R1WA01#			
								±0.1pF
				±0.25pF	GRM1882C2A5R1CA01#			
				· ·	GRM1882C2A5R1DA01#			
			5.2pF	-	GRM1882C2A5R2WA01#			
				±0.1pF	GRM1882C2A5R2BA01#			
					GRM1882C2A5R2CA01#			
				±0.5pF	GRM1882C2A5R2DA01#			
			5.3pF		GRM1882C2A5R3WA01#			
				-	GRM1882C2A5R3BA01#			
					GRM1882C2A5R3CA01#			
			F 4:: F		GRM1882C2A5R3DA01#			
			5.4pF	<u> </u>	GRM1882C2A5R4WA01#			
				±0.1pF	GRM1882C2A5R4BA01#			
					GRM1882C2A5R4CA01# GRM1882C2A5R4DA01#			
			5.5pF	-	GRM1882C2A5R5WA01#			
			3.3hr		GRM1882C2A5R5BA01#			
					GRM1882C2A5R5CA01#			
				-	GRM1882C2A5R5DA01#			
			5.6pF	-	GRM1882C2A5R6WA01#			
				±0.1pF	GRM1882C2A5R6BA01#			
				-	GRM1882C2A5R6CA01#			
					GRM1882C2A5R6DA01#			
			5.7pF	-	GRM1882C2A5R7WA01#			
					GRM1882C2A5R7BA01#			
					GRM1882C2A5R7CA01#			
				-	GRM1882C2A5R7DA01#			
			5.8pF	±0.05pF	GRM1882C2A5R8WA01#			
				±0.1pF	GRM1882C2A5R8BA01#			

т	Rated	тс	Cap.	Tol.	Part Number	
nax.	Voltage	Code				
9mm	100Vdc	СН	5.8pF		GRM1882C2A5R8CA01#	
					GRM1882C2A5R8DA01#	
			5.9pF		GRM1882C2A5R9WA01#	
					GRM1882C2A5R9BA01#	
					GRM1882C2A5R9CA01#	
					GRM1882C2A5R9DA01#	
			6.0pF		GRM1882C2A6R0WA01#	
					GRM1882C2A6R0BA01#	
					GRM1882C2A6R0CA01#	
		-			GRM1882C2A6R0DA01#	
			6.1pF		GRM1882C2A6R1WA01#	
					GRM1882C2A6R1BA01#	
				-	GRM1882C2A6R1CA01#	
		-			GRM1882C2A6R1DA01#	
			6.2pF		GRM1882C2A6R2WA01#	
					GRM1882C2A6R2BA01#	
					GRM1882C2A6R2CA01#	
		-			GRM1882C2A6R2DA01#	
			6.3pF	-	GRM1882C2A6R3WA01#	
					GRM1882C2A6R3BA01#	
					GRM1882C2A6R3CA01#	
		-	C 4=F		GRM1882C2A6R3DA01#	
			6.4pF		GRM1882C2A6R4WA01#	
				±0.1pF	GRM1882C2A6R4BA01#	
					GRM1882C2A6R4CA01#	
			6.5pF		GRM1882C2A6R4DA01#	
			0.5pr		GRM1882C2A6R5WA01# GRM1882C2A6R5BA01#	
				±0.1pF	GRM1882C2A6R5CA01#	
					GRM1882C2A6R5DA01#	
			6.6pF		GRM1882C2A6R6WA01#	
			о.ор.	· ·	GRM1882C2A6R6BA01#	
					GRM1882C2A6R6CA01#	
					GRM1882C2A6R6DA01#	
			6.7pF		GRM1882C2A6R7WA01#	
					GRM1882C2A6R7BA01#	
					GRM1882C2A6R7CA01#	
				±0.5pF	GRM1882C2A6R7DA01#	
			6.8pF		GRM1882C2A6R8WA01#	
			•	·	GRM1882C2A6R8BA01#	
					GRM1882C2A6R8CA01#	
					GRM1882C2A6R8DA01#	
		-	6.9pF		GRM1882C2A6R9WA01#	
				±0.1pF	GRM1882C2A6R9BA01#	
				±0.25pF	GRM1882C2A6R9CA01#	
				±0.5pF	GRM1882C2A6R9DA01#	
			7.0pF	±0.05pF	GRM1882C2A7R0WA01#	
				±0.1pF	GRM1882C2A7R0BA01#	
				±0.25pF	GRM1882C2A7R0CA01#	
				±0.5pF	GRM1882C2A7R0DA01#	
			7.1pF	±0.05pF	GRM1882C2A7R1WA01#	
				±0.1pF	GRM1882C2A7R1BA01#	
				±0.25pF	GRM1882C2A7R1CA01#	
				±0.5pF	GRM1882C2A7R1DA01#	

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GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

, - 1.0	0.8mm	')			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	СН	7.2pF	±0.05pF	GRM1882C2A7R2WA01#
				±0.1pF	GRM1882C2A7R2BA01#
				±0.25pF	GRM1882C2A7R2CA01#
				±0.5pF	GRM1882C2A7R2DA01#
			7.3pF	· ·	GRM1882C2A7R3WA01#
			7.551	±0.1pF	GRM1882C2A7R3BA01#
					GRM1882C2A7R3CA01#
				<u> </u>	
			7.4.5	±0.5pF	GRM1882C2A7R3DA01#
			7.4pF		GRM1882C2A7R4WA01#
				±0.1pF	GRM1882C2A7R4BA01#
				±0.25pF	GRM1882C2A7R4CA01#
				±0.5pF	GRM1882C2A7R4DA01#
			7.5pF	±0.05pF	GRM1882C2A7R5WA01#
				±0.1pF	GRM1882C2A7R5BA01#
				±0.25pF	GRM1882C2A7R5CA01#
				±0.5pF	GRM1882C2A7R5DA01#
			7.6pF	±0.05pF	GRM1882C2A7R6WA01#
				±0.1pF	GRM1882C2A7R6BA01#
					GRM1882C2A7R6CA01#
				±0.5pF	GRM1882C2A7R6DA01#
			7.7pF		GRM1882C2A7R7WA01#
				±0.1pF	GRM1882C2A7R7BA01#
				-	GRM1882C2A7R7CA01#
				±0.5pF	GRM1882C2A7R7DA01#
			7.8pF		GRM1882C2A7R8WA01#
			7.6pr	-	
				±0.1pF	GRM1882C2A7R8BA01#
				·	GRM1882C2A7R8CA01#
				±0.5pF	GRM1882C2A7R8DA01#
			7.9pF	· ·	GRM1882C2A7R9WA01#
				±0.1pF	GRM1882C2A7R9BA01#
					GRM1882C2A7R9CA01#
				±0.5pF	GRM1882C2A7R9DA01#
			8.0pF	±0.05pF	GRM1882C2A8R0WA01#
				±0.1pF	GRM1882C2A8R0BA01#
				±0.25pF	GRM1882C2A8R0CA01#
				±0.5pF	GRM1882C2A8R0DA01#
			8.1pF	±0.05pF	GRM1882C2A8R1WA01#
				±0.1pF	GRM1882C2A8R1BA01#
				±0.25pF	GRM1882C2A8R1CA01#
				±0.5pF	GRM1882C2A8R1DA01#
			8.2pF	±0.05pF	GRM1882C2A8R2WA01#
			·	· ·	GRM1882C2A8R2BA01#
					GRM1882C2A8R2CA01#
				· ·	GRM1882C2A8R2DA01#
			8.3pF	· ·	GRM1882C2A8R3WA01#
			o.spr	· ·	
				-	GRM1882C2A8R3BA01#
				· ·	GRM1882C2A8R3CA01#
			0.4::-		GRM1882C2A8R3DA01#
			8.4pF		GRM1882C2A8R4WA01#
				-	GRM1882C2A8R4BA01#
				-	GRM1882C2A8R4CA01#
				±0.5pF	GRM1882C2A8R4DA01#
			8.5pF	±0.05pF	GRM1882C2A8R5WA01#
				±0.1pF	GRM1882C2A8R5BA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	СН	8.5pF	±0.25pF	GRM1882C2A8R5CA01#
				±0.5pF	GRM1882C2A8R5DA01#
			8.6pF	±0.05pF	GRM1882C2A8R6WA01#
				±0.1pF	GRM1882C2A8R6BA01#
				±0.25pF	GRM1882C2A8R6CA01#
				±0.5pF	GRM1882C2A8R6DA01#
			8.7pF	±0.05pF	GRM1882C2A8R7WA01#
				±0.1pF	GRM1882C2A8R7BA01#
				±0.25pF	GRM1882C2A8R7CA01#
				±0.5pF	GRM1882C2A8R7DA01#
		-	8.8pF	±0.05pF	GRM1882C2A8R8WA01#
				±0.1pF	GRM1882C2A8R8BA01#
				±0.25pF	GRM1882C2A8R8CA01#
				±0.5pF	GRM1882C2A8R8DA01#
		-	8.9pF		GRM1882C2A8R9WA01#
			•	±0.1pF	GRM1882C2A8R9BA01#
					GRM1882C2A8R9CA01#
		-	9.0pF		GRM1882C2A9R0WA01#
			э.орі		GRM1882C2A9R0BA01#
				±0.1pF	
					GRM1882C2A9R0CA01#
			0.1-5	±0.5pF	GRM1882C2A9R0DA01#
			9.1pF		
				±0.1pF	GRM1882C2A9R1BA01#
				-	GRM1882C2A9R1CA01#
				±0.5pF	GRM1882C2A9R1DA01#
			9.2pF	±0.05pF	GRM1882C2A9R2WA01#
				±0.1pF	GRM1882C2A9R2BA01#
				±0.25pF	GRM1882C2A9R2CA01#
				±0.5pF	GRM1882C2A9R2DA01#
			9.3pF	±0.05pF	GRM1882C2A9R3WA01#
				±0.1pF	GRM1882C2A9R3BA01#
				±0.25pF	GRM1882C2A9R3CA01#
				±0.5pF	GRM1882C2A9R3DA01#
			9.4pF	±0.05pF	GRM1882C2A9R4WA01#
				±0.1pF	GRM1882C2A9R4BA01#
				±0.25pF	GRM1882C2A9R4CA01#
				±0.5pF	GRM1882C2A9R4DA01#
			9.5pF	±0.05pF	GRM1882C2A9R5WA01#
				±0.1pF	GRM1882C2A9R5BA01#
				±0.25pF	GRM1882C2A9R5CA01#
				±0.5pF	GRM1882C2A9R5DA01#
			9.6pF	±0.05pF	GRM1882C2A9R6WA01#
			•	±0.1pF	GRM1882C2A9R6BA01#
				-	GRM1882C2A9R6CA01#
				±0.5pF	GRM1882C2A9R6DA01#
			9.7pF		GRM1882C2A9R7WA01#
			3.7 Pi	-	GRM1882C2A9R7BA01#
				±0.1pF	
i				-	GRM1882C2A9R7CA01#
			0.6	±0.5pF	GRM1882C2A9R7DA01#
			9.8pF		GRM1882C2A9R8WA01#
1		1		±0.1pF	GRM1882C2A9R8BA01#
					GRM1882C2A9R8CA01#

(→ 1.6;	«0.8mm	1)	•		•
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	СН	9.9pF	±0.05pF	GRM1882C2A9R9WA01#
				±0.1pF	GRM1882C2A9R9BA01#
				±0.25pF	GRM1882C2A9R9CA01#
				±0.5pF	GRM1882C2A9R9DA01#
			10pF	±5%	GRM1882C2A100JA01#
			12pF	±5%	GRM1882C2A120JA01#
			15pF	±5%	GRM1882C2A150JA01#
			18pF	±5%	GRM1882C2A180JA01#
			22pF	±5%	GRM1882C2A220JA01#
			27pF	±5%	GRM1882C2A270JA01#
			33pF	±5%	GRM1882C2A330JA01#
			39pF	±5%	GRM1882C2A390JA01#
			47pF	±5%	GRM1882C2A470JA01#
			56pF	±5%	GRM1882C2A560JA01#
			68pF	±5%	GRM1882C2A680JA01#
			82pF	±5%	GRM1882C2A820JA01#
			100pF	±5%	GRM1882C2A101JA01#
			120pF	±5%	GRM1882C2A121JA01#
			150pF	±5%	GRM1882C2A151JA01#
			180pF	±5%	GRM1882C2A181JA01#
			220pF	±5%	GRM1882C2A221JA01#
			270pF	±5%	GRM1882C2A271JA01#
			330pF	±5%	GRM1882C2A331JA01#
			390pF	±5%	GRM1882C2A391JA01#
			470pF	±5%	GRM1882C2A471JA01#
			560pF	±5%	GRM1882C2A561JA01#
			680pF	±5%	GRM1882C2A681JA01#
			820pF	±5%	GRM1882C2A821JA01#
			1000pF	±5%	GRM1882C2A102JA01#
			1200pF	±5%	GRM1882C2A122JA01#
			1500pF	±5%	GRM1882C2A152JA01#
	50Vdc	COG	0.50pF	±0.05pF	GRM1885C1HR50WA01#
				±0.1pF	GRM1885C1HR50BA01#
			0.60pF	±0.05pF	GRM1885C1HR60WA01#
				±0.1pF	GRM1885C1HR60BA01#
			0.70pF	±0.05pF	GRM1885C1HR70WA01#
				±0.1pF	GRM1885C1HR70BA01#
			0.80pF	±0.05pF	GRM1885C1HR80WA01#
				±0.1pF	GRM1885C1HR80BA01#
			0.90pF	±0.05pF	GRM1885C1HR90WA01#
				±0.1pF	GRM1885C1HR90BA01#
			1.0pF	±0.05pF	GRM1885C1H1R0WA01#
				±0.1pF	GRM1885C1H1R0BA01#
				±0.25pF	GRM1885C1H1R0CA01#
			1.1pF	±0.05pF	GRM1885C1H1R1WA01#
				±0.1pF	GRM1885C1H1R1BA01#
				±0.25pF	GRM1885C1H1R1CA01#
			1.2pF	±0.05pF	GRM1885C1H1R2WA01#
				±0.1pF	GRM1885C1H1R2BA01#
				±0.25pF	GRM1885C1H1R2CA01#
			1.3pF	±0.05pF	GRM1885C1H1R3WA01#
				±0.1pF	GRM1885C1H1R3BA01#
				±0.25pF	GRM1885C1H1R3CA01#
			1.4pF	±0.05pF	GRM1885C1H1R4WA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.9mm	50Vdc	COG	1.4pF	±0.1pF	GRM1885C1H1R4BA01#	
				±0.25pF	GRM1885C1H1R4CA01#	
			1.5pF	±0.05pF	GRM1885C1H1R5WA01#	
				±0.1pF	GRM1885C1H1R5BA01#	
				±0.25pF	GRM1885C1H1R5CA01#	
			1.6pF	±0.05pF	GRM1885C1H1R6WA01#	
				±0.1pF	GRM1885C1H1R6BA01#	
				±0.25pF	GRM1885C1H1R6CA01#	
			1.7pF	±0.05pF	GRM1885C1H1R7WA01#	
				±0.1pF	GRM1885C1H1R7BA01#	
				±0.25pF	GRM1885C1H1R7CA01#	
			1.8pF	±0.05pF	GRM1885C1H1R8WA01#	
				±0.1pF	GRM1885C1H1R8BA01#	
				±0.25pF	GRM1885C1H1R8CA01#	
			1.9pF	±0.05pF	GRM1885C1H1R9WA01#	
				±0.1pF	GRM1885C1H1R9BA01#	
				±0.25pF	GRM1885C1H1R9CA01#	
			2.0pF	±0.05pF	GRM1885C1H2R0WA01#	
				±0.1pF	GRM1885C1H2R0BA01#	
				±0.25pF	GRM1885C1H2R0CA01#	
			2.1pF	±0.05pF	GRM1885C1H2R1WA01#	
				±0.1pF	GRM1885C1H2R1BA01#	
				±0.25pF	GRM1885C1H2R1CA01#	
			2.2pF	±0.05pF	GRM1885C1H2R2WA01#	
				±0.1pF	GRM1885C1H2R2BA01#	
				±0.25pF	GRM1885C1H2R2CA01#	
			2.3pF	±0.05pF	GRM1885C1H2R3WA01#	
				±0.1pF	GRM1885C1H2R3BA01#	
				±0.25pF	GRM1885C1H2R3CA01#	
			2.4pF	±0.05pF	GRM1885C1H2R4WA01#	
				±0.1pF	GRM1885C1H2R4BA01#	
				±0.25pF	GRM1885C1H2R4CA01#	
			2.5pF	±0.05pF	GRM1885C1H2R5WA01#	
				±0.1pF	GRM1885C1H2R5BA01#	
				±0.25pF	GRM1885C1H2R5CA01#	
			2.6pF	±0.05pF	GRM1885C1H2R6WA01#	
				±0.1pF	GRM1885C1H2R6BA01#	
				±0.25pF	GRM1885C1H2R6CA01#	
			2.7pF	±0.05pF	GRM1885C1H2R7WA01#	
				±0.1pF	GRM1885C1H2R7BA01#	
				±0.25pF	GRM1885C1H2R7CA01#	
			2.8pF	±0.05pF	GRM1885C1H2R8WA01#	
				±0.1pF	GRM1885C1H2R8BA01#	
				±0.25pF	GRM1885C1H2R8CA01#	
			2.9pF	±0.05pF	GRM1885C1H2R9WA01#	
				±0.1pF	GRM1885C1H2R9BA01#	
				±0.25pF	GRM1885C1H2R9CA01#	
			3.0pF	±0.05pF	GRM1885C1H3R0WA01#	
				±0.1pF	GRM1885C1H3R0BA01#	
				±0.25pF	GRM1885C1H3R0CA01#	
			3.1pF	±0.05pF	GRM1885C1H3R1WA01#	
				±0.1pF	GRM1885C1H3R1BA01#	
				±0.25pF	GRM1885C1H3R1CA01#	
			3.2pF	±0.05pF	GRM1885C1H3R2WA01#	

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GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

(→ 1.6	۰0.8mm	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	50Vdc	COG	3.2pF	±0.1pF	GRM1885C1H3R2BA01#
				±0.25pF	GRM1885C1H3R2CA01#
			3.3pF	±0.05pF	GRM1885C1H3R3WA01#
				±0.1pF	GRM1885C1H3R3BA01#
				±0.25pF	GRM1885C1H3R3CA01#
			3.4pF	±0.05pF	GRM1885C1H3R4WA01#
				±0.1pF	GRM1885C1H3R4BA01#
				±0.25pF	GRM1885C1H3R4CA01#
			3.5pF	±0.05pF	GRM1885C1H3R5WA01#
				±0.1pF	GRM1885C1H3R5BA01#
				±0.25pF	GRM1885C1H3R5CA01#
			3.6pF	±0.05pF	GRM1885C1H3R6WA01#
				±0.1pF	GRM1885C1H3R6BA01#
				±0.25pF	GRM1885C1H3R6CA01#
			3.7pF	±0.05pF	GRM1885C1H3R7WA01#
			·	±0.1pF	GRM1885C1H3R7BA01#
				-	GRM1885C1H3R7CA01#
			3.8pF	· ·	GRM1885C1H3R8WA01#
			э.ор.	-	GRM1885C1H3R8BA01#
				-	GRM1885C1H3R8CA01#
			3.9pF	<u> </u>	GRM1885C1H3R9WA01#
			J.9pi	-	GRM1885C1H3R9BA01#
			4.0nF	· ·	GRM1885C1H3R9CA01#
			4.0pF	<u> </u>	GRM1885C1H4R0WA01#
				-	GRM1885C1H4R0BA01#
			41-5	· ·	GRM1885C1H4R0CA01#
			4.1pF	-	GRM1885C1H4R1WA01#
					GRM1885C1H4R1BA01#
			40.5	· ·	GRM1885C1H4R1CA01#
			4.2pF		GRM1885C1H4R2WA01#
				<u> </u>	GRM1885C1H4R2BA01#
					GRM1885C1H4R2CA01#
			4.3pF		GRM1885C1H4R3WA01#
				<u> </u>	GRM1885C1H4R3BA01#
					GRM1885C1H4R3CA01#
			4.4pF	<u> </u>	GRM1885C1H4R4WA01#
					GRM1885C1H4R4BA01#
					GRM1885C1H4R4CA01#
			4.5pF	±0.05pF	GRM1885C1H4R5WA01#
				±0.1pF	GRM1885C1H4R5BA01#
				±0.25pF	GRM1885C1H4R5CA01#
			4.6pF	±0.05pF	GRM1885C1H4R6WA01#
				±0.1pF	GRM1885C1H4R6BA01#
				±0.25pF	GRM1885C1H4R6CA01#
			4.7pF	±0.05pF	GRM1885C1H4R7WA01#
				±0.1pF	GRM1885C1H4R7BA01#
				±0.25pF	GRM1885C1H4R7CA01#
			4.8pF	±0.05pF	GRM1885C1H4R8WA01#
				±0.1pF	GRM1885C1H4R8BA01#
				±0.25pF	GRM1885C1H4R8CA01#
			4.9pF	±0.05pF	GRM1885C1H4R9WA01#
				-	GRM1885C1H4R9BA01#
					GRM1885C1H4R9CA01#
			5.0pF	<u> </u>	GRM1885C1H5R0WA01#
			J.5p.		

т	Rated	тс	-			
max.	Voltage	Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	COG	5.0pF	±0.1pF	GRM1885C1H5R0BA01#	_
				±0.25pF	GRM1885C1H5R0CA01#	
			5.1pF	±0.05pF	GRM1885C1H5R1WA01#	
				±0.1pF	GRM1885C1H5R1BA01#	
				±0.25pF	GRM1885C1H5R1CA01#	
				±0.5pF	GRM1885C1H5R1DA01#	
			5.2pF	±0.05pF	GRM1885C1H5R2WA01#	
				±0.1pF	GRM1885C1H5R2BA01#	
				±0.25pF	GRM1885C1H5R2CA01#	
				±0.5pF	GRM1885C1H5R2DA01#	
			5.3pF	±0.05pF	GRM1885C1H5R3WA01#	
				±0.1pF	GRM1885C1H5R3BA01#	
				±0.25pF	GRM1885C1H5R3CA01#	
				±0.5pF	GRM1885C1H5R3DA01#	
			5.4pF	±0.05pF	GRM1885C1H5R4WA01#	
				±0.1pF	GRM1885C1H5R4BA01#	
				±0.25pF	GRM1885C1H5R4CA01#	
				±0.5pF	GRM1885C1H5R4DA01#	
			5.5pF	±0.05pF	GRM1885C1H5R5WA01#	
				±0.1pF	GRM1885C1H5R5BA01#	
				±0.25pF	GRM1885C1H5R5CA01#	
				±0.5pF	GRM1885C1H5R5DA01#	
			5.6pF	±0.05pF	GRM1885C1H5R6WA01#	
				±0.1pF	GRM1885C1H5R6BA01#	
				±0.25pF	GRM1885C1H5R6CA01#	
				±0.5pF	GRM1885C1H5R6DA01#	
			5.7pF	±0.05pF	GRM1885C1H5R7WA01#	_
				±0.1pF	GRM1885C1H5R7BA01#	_
				±0.25pF	GRM1885C1H5R7CA01#	
				±0.5pF	GRM1885C1H5R7DA01#	_
			5.8pF	±0.05pF	GRM1885C1H5R8WA01#	_
				±0.1pF	GRM1885C1H5R8BA01#	
				±0.25pF	GRM1885C1H5R8CA01#	
				±0.5pF	GRM1885C1H5R8DA01#	
			5.9pF	±0.05pF	GRM1885C1H5R9WA01#	
				±0.1pF	GRM1885C1H5R9BA01#	
				±0.25pF	GRM1885C1H5R9CA01#	
				±0.5pF	GRM1885C1H5R9DA01#	
			6.0pF	±0.05pF	GRM1885C1H6R0WA01#	
				±0.1pF	GRM1885C1H6R0BA01#	_
				±0.25pF	GRM1885C1H6R0CA01#	_
				±0.5pF	GRM1885C1H6R0DA01#	_
			6.1pF	±0.05pF	GRM1885C1H6R1WA01#	
				±0.1pF	GRM1885C1H6R1BA01#	_
				±0.25pF	GRM1885C1H6R1CA01#	
				±0.5pF	GRM1885C1H6R1DA01#	_
			6.2pF	±0.05pF	GRM1885C1H6R2WA01#	_
				±0.1pF	GRM1885C1H6R2BA01#	_
				±0.25pF	GRM1885C1H6R2CA01#	_
				±0.5pF	GRM1885C1H6R2DA01#	_
			6.3pF	±0.05pF	GRM1885C1H6R3WA01#	
				±0.1pF	GRM1885C1H6R3BA01#	_
				±0.25pF	GRM1885C1H6R3CA01#	_
				±0.5pF	GRM1885C1H6R3DA01#	_
	1		Dort num	abor # indi		

T	(→ 1.6	«0.8mm	1)	-			
#0.1pF GRM1885C1H6R4BA01# #0.5pF GRM1885C1H6R5BA01# #0.5pF GRM1885C1H6R5BA01# #0.2pp GRM1885C1H6R5BA01# #0.2pp GRM1885C1H6R5BA01# #0.2pp GRM1885C1H6R5BA01# #0.2pp GRM1885C1H6R5BA01# #0.2pp GRM1885C1H6R5BA01# #0.2pp GRM1885C1H6R6BA01# #0.2pp GRM1885C1H6R6BA01# #0.2pp GRM1885C1H6R6BA01# #0.2pp GRM1885C1H6R6BA01# #0.2pp GRM1885C1H6R6BA01# #0.2pp GRM1885C1H6R7BA01# #0.2pp GRM1885C1H6R7BA01# #0.2pp GRM1885C1H6R7BA01# #0.2pp GRM1885C1H6R7BA01# #0.2pp GRM1885C1H6R8BA01# #0.2pp GRM1885C1H6R8BA01# #0.2pp GRM1885C1H6R9BA01# #0.2pp GRM1885C1H7R0BA01# #0.2pp GRM1885C1H7	Т	Rated	тс	Cap.	Tol.	Part Number	
10.25pf GRM1885C1H6R4CA01# 10.5pf GRM1885C1H6R5BA01# 10.25pf GRM1885C1H6R5BA01# 10.25pf GRM1885C1H6R5BA01# 10.25pf GRM1885C1H6R5BA01# 10.25pf GRM1885C1H6R5BA01# 10.25pf GRM1885C1H6R5BA01# 10.25pf GRM1885C1H6R6BA01# 10.25pf GRM1885C1H6R6BA01# 10.25pf GRM1885C1H6R6BA01# 10.25pf GRM1885C1H6R6BA01# 10.25pf GRM1885C1H6R7WA01# 10.25pf GRM1885C1H6R7WA01# 10.25pf GRM1885C1H6R7WA01# 10.25pf GRM1885C1H6R7WA01# 10.25pf GRM1885C1H6R8WA01# 10.25pf GRM1885C1H6R8WA01# 10.25pf GRM1885C1H6R8WA01# 10.25pf GRM1885C1H6R8WA01# 10.25pf GRM1885C1H6R9BA01# 10.25pf GRM1885C1H6R9BA01# 10.25pf GRM1885C1H6R9BA01# 10.25pf GRM1885C1H6R9BA01# 10.25pf GRM1885C1H7R0BA01# 10.25pf GRM18SC1H7R0BA01# 10.25pf GRM1	0.9mm	50Vdc	COG	6.4pF	±0.05pF	GRM1885C1H6R4WA01#	
10.5pF 10.05pF 10.05					±0.1pF	GRM1885C1H6R4BA01#	
6.5pF					±0.25pF	GRM1885C1H6R4CA01#	
#0.1pF GRM1885C1HGR5BA01# ±0.25pF GRM1885C1HGR5DA01# ±0.5pF GRM1885C1HGR5DA01# ±0.5pF GRM1885C1HGR6DA01# ±0.5pF GRM1885C1HGR6DA01# ±0.5pF GRM1885C1HGR7BA01# ±0.25pF GRM1885C1HGR7DA01# ±0.25pF GRM1885C1HGR7DA01# ±0.25pF GRM1885C1HGR7DA01# ±0.25pF GRM1885C1HGR7DA01# ±0.25pF GRM1885C1HGR8DA01# ±0.25pF GRM1885C1HGR8DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGRDA01# ±0.25pF GRM1885C1HGRDA01# ±0.25pF GRM1885C1HGRDA01# ±0.25pF GRM1885C1HGRDA01# ±0.25pF GRM1885C1HGRDA01# ±0.25pF GRM1885C1HGRDA01# ±0.25pF GRM1885C1HGAD01# ±0.25pF GRM1885C1HGAD001# ±0.25pF					±0.5pF	GRM1885C1H6R4DA01#	
### 10.25pF GRM1885C1HGR5CA01# ### 10.5pF GRM1885C1HGR6DA01# ### 10.25pF GRM1885C1HGR6DA01# ### 10.25pF GRM1885C1HGR6DA01# ### 10.25pF GRM1885C1HGR6DA01# ### 10.25pF GRM1885C1HGR7DA01# ### 10.25pF GRM1885C1HGR7DA01# ### 10.25pF GRM1885C1HGR7DA01# ### 10.25pF GRM1885C1HGR8DA01# ### 10.25pF GRM1885C1HGR8DA01# ### 10.25pF GRM1885C1HGR8DA01# ### 10.25pF GRM1885C1HGR8DA01# ### 10.25pF GRM1885C1HGR9DA01# #				6.5pF	±0.05pF	GRM1885C1H6R5WA01#	
#0.5pF #0.05pF #0.05pF					±0.1pF	GRM1885C1H6R5BA01#	
6.6pF ±0.05pF c0.8pF c0.1pF c0.1p					±0.25pF	GRM1885C1H6R5CA01#	
#0.1pF GRM1885C1H6R6BA01#					±0.5pF	GRM1885C1H6R5DA01#	
#0.25pF GRM1885C1H6R6CA01# #0.5pF GRM1885C1H6R7WA01# #0.1pF GRM1885C1H6R7BA01# #0.25pF GRM1885C1H6R7DA01# #0.5pF GRM1885C1H6R7DA01# #0.5pF GRM1885C1H6R8WA01# #0.25pF GRM1885C1H6R8DA01# #0.5pF GRM1885C1H6R8DA01# #0.5pF GRM1885C1H6R8DA01# #0.25pF GRM1885C1H6R8DA01# #0.25pF GRM1885C1H6R9DA01# #0.25pF GRM1885C1H6R9DA01# #0.25pF GRM1885C1H6R9DA01# #0.25pF GRM1885C1H6R9DA01# #0.25pF GRM1885C1H6R9DA01# #0.25pF GRM1885C1H7R0DA01# #0.05pF GRM1885C1H7R0DA01# #0.05pF GRM1885C1H7R0DA01# #0.1pF GRM1885C1H7R0DA01# #0.25pF GRM1885C1H7R3BA01# #0.25pF GRM1885C1H7R3BA01# #0.25pF GRM1885C1H7R3DA01# #0.25pF GRM1885C1H7R5DA01#				6.6pF	±0.05pF	GRM1885C1H6R6WA01#	
#0.5pF GRM1885C1H6R6DA01# #0.5pF GRM1885C1H6R7WA01# #0.25pF GRM1885C1H6R7DA01# #0.5pF GRM1885C1H6R7DA01# #0.5pF GRM1885C1H6R8BA01# #0.25pF GRM1885C1H6R8BA01# #0.5pF GRM1885C1H6R8DA01# #0.5pF GRM1885C1H6R9DA01# #0.5pF GRM1885C1H6R9DA01# #0.5pF GRM1885C1H6R9DA01# #0.5pF GRM1885C1H6R9DA01# #0.5pF GRM1885C1H7R0DA01# #0.5pF GRM1885C1					±0.1pF	GRM1885C1H6R6BA01#	
6.7pF ±0.05pF GRM1885C1H6R7WA01# ±0.25pF GRM1885C1H6R7DA01# ±0.5pF GRM1885C1H6R8WA01# ±0.25pF GRM1885C1H6R8DA01# ±0.25pF GRM1885C1H6R8DA01# ±0.25pF GRM1885C1H6R8DA01# ±0.25pF GRM1885C1H6R8DA01# ±0.25pF GRM1885C1H6R9DA01# ±0.5pF GRM1885C1H6R9DA01# ±0.5pF GRM1885C1H6R9DA01# ±0.5pF GRM1885C1H6R9DA01# ±0.5pF GRM1885C1H6R9DA01# ±0.5pF GRM1885C1H7R0DA01# ±0.5pF GRM1885C1H7R0DA01# ±0.5pF GRM1885C1H7R0DA01# ±0.5pF GRM1885C1H7R0DA01# ±0.5pF GRM1885C1H7R0DA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R3DA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R6DA01# ±0.5pF GRM1885C1H7R6DA01# ±0.5pF GRM1885C1H7R6DA01# ±0.5p					±0.25pF	GRM1885C1H6R6CA01#	
#0.1pF GRM1885C1H6R7BA01# #0.25pF GRM1885C1H6R8WA01# #0.25pF GRM1885C1H6R8WA01# #0.25pF GRM1885C1H6R8WA01# #0.25pF GRM1885C1H6R8BA01# #0.25pF GRM1885C1H6R9BA01# #0.25pF GRM1885C1H6R9BA01# #0.25pF GRM1885C1H6R9BA01# #0.25pF GRM1885C1H6R9BA01# #0.25pF GRM1885C1H6R9BA01# #0.25pF GRM1885C1H6R9BA01# #0.25pF GRM1885C1H7R0BA01# #0.25pF GRM1885C1H7R1BA01# #0.25pF GRM1885C1H7R1BA01# #0.25pF GRM1885C1H7R2BA01# #0.25pF GRM1885C1H7R2BA01# #0.25pF GRM1885C1H7R3BA01# #0.25pF GRM1885C1H7R3B					±0.5pF	GRM1885C1H6R6DA01#	
#0.25pF GRM1885C1H6R7CA01# #0.5pF GRM1885C1H6R8WA01# #0.1pF GRM1885C1H6R8WA01# #0.25pF GRM1885C1H6R8WA01# #0.25pF GRM1885C1H6R9WA01# #0.25pF GRM1885C1H6R9WA01# #0.25pF GRM1885C1H6R9WA01# #0.25pF GRM1885C1H6R9WA01# #0.25pF GRM1885C1H7R0WA01# #0.25pF GRM1885C1H7R0WA01# #0.25pF GRM1885C1H7R0WA01# #0.25pF GRM1885C1H7R0WA01# #0.25pF GRM1885C1H7R0WA01# #0.25pF GRM1885C1H7R0WA01# #0.25pF GRM1885C1H7R1WA01# #0.25pF GRM1885C1H7R1WA01# #0.25pF GRM1885C1H7R1WA01# #0.25pF GRM1885C1H7R1WA01# #0.5pF GRM1885C1H7R1WA01# #0.5pF GRM1885C1H7R2WA01# #0.5pF GRM1885C1H7R2WA01# #0.5pF GRM1885C1H7R3WA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R6WA01# #0				6.7pF	±0.05pF	GRM1885C1H6R7WA01#	
#0.5pF GRM1885C1H6R7DA01# ±0.1pF GRM1885C1H6R8WA01# ±0.1pF GRM1885C1H6R8WA01# ±0.25pF GRM1885C1H6R8DA01# ±0.5pF GRM1885C1H6R9WA01# ±0.25pF GRM1885C1H6R9WA01# ±0.25pF GRM1885C1H6R9WA01# ±0.1pF GRM1885C1H7R0WA01# ±0.25pF GRM1885C1H7R0WA01# ±0.5pF GRM1885C1H7R0WA01# ±0.5pF GRM1885C1H7R0WA01# ±0.5pF GRM1885C1H7R0WA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1WA01# ±0.25pF GRM1885C1H7R2WA01# ±0.25pF GRM1885C1H7R2WA01# ±0.25pF GRM1885C1H7R2WA01# ±0.25pF GRM1885C1H7R3WA01# ±0.25pF GRM1885C1H7R3WA01# ±0.25pF GRM1885C1H7R3WA01# ±0.5pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R6WA01# ±0.5pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R5WA01					±0.1pF	GRM1885C1H6R7BA01#	
6.8pF ±0.05pF GRM1885C1H6R8WA01# ±0.1pF GRM1885C1H6R8BA01# ±0.5pF GRM1885C1H6R8WA01# ±0.5pF GRM1885C1H6R9WA01# ±0.25pF GRM1885C1H6R9WA01# ±0.25pF GRM1885C1H6R9WA01# ±0.04pF GRM1885C1H7R0WA01# ±0.04pF GRM1885C1H7R0WA01# ±0.04pF GRM1885C1H7R0WA01# ±0.04pF GRM1885C1H7R0WA01# ±0.04pF GRM1885C1H7R0WA01# ±0.04pF GRM1885C1H7R0WA01# ±0.04pF GRM1885C1H7R1WA01# ±0.04pF GRM1885C1H7R1WA01# ±0.04pF GRM1885C1H7R1WA01# ±0.04pF GRM1885C1H7R1WA01# ±0.04pF GRM1885C1H7R2WA01# ±0.04pF GRM1885C1H7R2WA01# ±0.05pF GRM1885C1H7R2WA01# ±0.05pF GRM1885C1H7R2WA01# ±0.05pF GRM1885C1H7R3WA01# ±0.04pF GRM1885C1H7R5WA01# ±0.04pF GRM1885C1H7R6WA01# ±0.04pF GRM1885C1H					±0.25pF	GRM1885C1H6R7CA01#	
#0.1pF GRM1885C1HGR8BA01# ±0.25pF GRM1885C1HGR8CA01# ±0.5pF GRM1885C1HGR9WA01# ±0.1pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.5pF GRM1885C1HGR9DA01# ±0.5pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR9DA01# ±0.25pF GRM1885C1HGR0DA01# ±0.25pF ±0.5pF GRM1885C1HGR0DA01# ±0.25pF ±0.5pF GRM1885C1HGR0DA01# ±0.25pF ±0.5pF GRM1885C1HGR0DA01# ±0.25pF					±0.5pF	GRM1885C1H6R7DA01#	
#0.25pF GRM1885C1H6R8CA01# #0.5pF GRM1885C1H6R9WA01# #0.1pF GRM1885C1H6R9WA01# #0.1pF GRM1885C1H6R9CA01# #0.5pF GRM1885C1H6R9CA01# #0.5pF GRM1885C1H6R9CA01# #0.5pF GRM1885C1H7R0WA01# #0.1pF GRM1885C1H7R0WA01# #0.25pF GRM1885C1H7R0A01# #0.5pF GRM1885C1H7R0A01# #0.5pF GRM1885C1H7R0A01# #0.5pF GRM1885C1H7R1WA01# #0.1pF GRM1885C1H7R1WA01# #0.25pF GRM1885C1H7R1WA01# #0.25pF GRM1885C1H7R1DA01# #0.25pF GRM1885C1H7R1DA01# #0.25pF GRM1885C1H7R2WA01# #0.25pF GRM1885C1H7R2WA01# #0.25pF GRM1885C1H7R2WA01# #0.25pF GRM1885C1H7R2WA01# #0.25pF GRM1885C1H7R3WA01# #0.25pF GRM1885C1H7R4WA01# #0.25pF GRM1885C1H7R4WA01# #0.25pF GRM1885C1H7R5WA01# #0.25pF GRM1885C1H7R6WA01# #0.25pF GRM1885C1H7R6DA01# #0.25pF GRM1885C1H7R6DA01# #0.25pF GRM1885C1H7R6DA01# #0.25pF GRM1885C1H7R6DA01# #0.25pF GRM1885C1H7R6DA01#				6.8pF	±0.05pF	GRM1885C1H6R8WA01#	
#0.5pF GRM1885C1H6R8DA01# #0.05pF ±0.05pF GRM1885C1H6R9WA01# #0.1pF GRM1885C1H6R9BA01# #0.25pF GRM1885C1H6R9DA01# #0.05pF GRM1885C1H7R0WA01# #0.1pF GRM1885C1H7R0BA01# #0.25pF GRM1885C1H7R0BA01# #0.25pF GRM1885C1H7R0BA01# #0.5pF GRM1885C1H7R0BA01# #0.1pF GRM1885C1H7R1WA01# #0.1pF GRM1885C1H7R1WA01# #0.5pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R2WA01# #0.25pF GRM1885C1H7R2WA01# #0.25pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R3WA01# #0.25pF GRM1885C1H7R3WA01# #0.25pF GRM1885C1H7R3WA01# #0.25pF GRM1885C1H7R3WA01# #0.25pF GRM1885C1H7R3DA01# #0.25pF GRM1885C1H7R4WA01# #0.25pF GRM1885C1H7R4WA01# #0.25pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM					±0.1pF	GRM1885C1H6R8BA01#	
6.9pF ±0.05pF GRM1885C1H6R9WA01# ±0.1pF GRM1885C1H6R9BA01# ±0.5pF GRM1885C1H7R0WA01# ±0.5pF GRM1885C1H7R0WA01# ±0.25pF GRM1885C1H7R0WA01# ±0.5pF GRM1885C1H7R0MA01# ±0.5pF GRM1885C1H7R0MA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1WA01# ±0.5pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R2WA01# ±0.5pF GRM1885C1H7R2WA01# ±0.5pF GRM1885C1H7R2WA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R3WA01# ±0.5pF GRM1885C1H7R3WA01# ±0.5pF GRM1885C1H7R3WA01# ±0.5pF GRM1885C1H7R3DA01# ±0.5pF GRM1885C1H7R4WA01# ±0.5pF GRM1885C1H7R4WA01# ±0.5pF GRM1885C1H7R4WA01# ±0.5pF GRM1885C1H7R4DA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R6WA01# ±0.5pF GRM1885C1H7R6WA01# ±0.5pF GRM1885C1H7R6WA01# ±0.5pF GRM1885C1H7R6DA01# ±0.5pF GRM					±0.25pF	GRM1885C1H6R8CA01#	
±0.1pF GRM1885C1H6R9BA01# ±0.25pF GRM1885C1H6R9CA01# ±0.5pF GRM1885C1H7R0WA01# ±0.1pF GRM1885C1H7R0BA01# ±0.25pF GRM1885C1H7R0A01# ±0.5pF GRM1885C1H7R0DA01# ±0.5pF GRM1885C1H7R0DA01# ±0.05pF GRM1885C1H7R1WA01# ±0.1pF GRM1885C1H7R1WA01# ±0.25pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R2WA01# ±0.1pF GRM1885C1H7R2WA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R3WA01# ±0.5pF GRM1885C1H7R3WA01# ±0.1pF GRM1885C1H7R3DA01# ±0.25pF GRM1885C1H7R3DA01# ±0.25pF GRM1885C1H7R3DA01# ±0.5pF GRM1885C1H7R4WA01# ±0.5pF GRM1885C1H7R4DA01# ±0.5pF GRM1885C1H7R4DA01# ±0.5pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R5DA01# ±0.05pF GRM1885C1H7R5DA01# ±0.05pF GRM1885C1H7R6WA01# ±0.05pF GRM1885C1H7R6WA01# ±0.05pF GRM1885C1H7R6WA01# ±0.05pF GRM1885C1H7R6WA01# ±0.05pF GRM1885C1H7R6WA01# ±0.05pF GRM1885C1H7R6BA01# ±0.05pF GRM1885C1H7R6BA01# ±0.05pF GRM1885C1H7R6CA01# ±0.05pF GRM1885C1H7R6CA01# ±0.05pF GRM1885C1H7R6DA01#					±0.5pF	GRM1885C1H6R8DA01#	
±0.25pF GRM1885C1H6R9CA01# ±0.5pF GRM1885C1H7R0WA01# ±0.1pF GRM1885C1H7R0BA01# ±0.25pF GRM1885C1H7R0CA01# ±0.5pF GRM1885C1H7R0DA01# ±0.5pF GRM1885C1H7R1WA01# ±0.25pF GRM1885C1H7R1WA01# ±0.25pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R1DA01# ±0.5pF GRM1885C1H7R2WA01# ±0.1pF GRM1885C1H7R2WA01# ±0.25pF GRM1885C1H7R2DA01# 7.3pF ±0.05pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R3WA01# ±0.25pF GRM1885C1H7R3WA01# ±0.25pF GRM1885C1H7R3DA01# ±0.25pF GRM1885C1H7R3DA01# 7.4pF ±0.05pF GRM1885C1H7R3DA01# ±0.25pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4DA01# ±0.25pF GRM1885C1H7R4DA01# ±0.5pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R6WA01# ±0.5pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6BA01# ±0.5pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01#				6.9pF	±0.05pF	GRM1885C1H6R9WA01#	
#0.5pF GRM1885C1H7R0WA01# #0.05pF GRM1885C1H7R0WA01# #0.25pF GRM1885C1H7R0CA01# #0.25pF GRM1885C1H7R0CA01# #0.5pF GRM1885C1H7R0DA01# #0.5pF GRM1885C1H7R1WA01# #0.1pF GRM1885C1H7R1WA01# #0.25pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R2WA01# #0.1pF GRM1885C1H7R2WA01# #0.25pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R3WA01# #0.5pF GRM1885C1H7R3WA01# #0.5pF GRM1885C1H7R3DA01# #0.5pF GRM1885C1H7R3DA01# #0.5pF GRM1885C1H7R3DA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R5BA01# #0.5pF GRM1885C1H7R5BA01# #0.5pF GRM1885C1H7R5BA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R6BA01# #0.5pF GRM1885C1H7R6BA01# #0.5pF GRM1885C1H7R6BA01# #0.5pF GRM1885C1H7R6CA01# #0.5pF GRM1885C1H7R6DA01#					±0.1pF	GRM1885C1H6R9BA01#	
7.0pF ±0.05pF GRM1885C1H7R0WA01# ±0.1pF GRM1885C1H7R0CA01# ±0.25pF GRM1885C1H7R0DA01# ±0.05pF GRM1885C1H7R1WA01# ±0.1pF GRM1885C1H7R1WA01# ±0.25pF GRM1885C1H7R1DA01# ±0.25pF GRM1885C1H7R1DA01# ±0.25pF GRM1885C1H7R2WA01# ±0.1pF GRM1885C1H7R2WA01# ±0.5pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R3BA01# ±0.25pF GRM1885C1H7R3BA01# ±0.25pF GRM1885C1H7R3BA01# ±0.25pF GRM1885C1H7R3DA01# ±0.5pF GRM1885C1H7R3DA01# ±0.5pF GRM1885C1H7R3DA01# ±0.5pF GRM1885C1H7R3DA01# ±0.5pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4DA01# ±0.5pF GRM1885C1H7R4DA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R6BA01# ±0.5pF GRM1885C1H7R6BA01# ±0.5pF GRM1885C1H7R6BA01# ±0.5pF GRM1885C1H7R6BA01# ±0.5pF GRM1885C1H7R6BA01# ±0.5pF GRM1885C1H7R6BA01# ±0.5pF GRM1885C1H7R6DA01#					±0.25pF	GRM1885C1H6R9CA01#	
#0.1pF GRM1885C1H7R0BA01# #0.25pF GRM1885C1H7R0CA01# #0.5pF GRM1885C1H7R0DA01# #0.1pF GRM1885C1H7R1WA01# #0.25pF GRM1885C1H7R1DA01# #0.25pF GRM1885C1H7R1DA01# #0.25pF GRM1885C1H7R1DA01# #0.25pF GRM1885C1H7R2WA01# #0.1pF GRM1885C1H7R2WA01# #0.1pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R3WA01# #0.5pF GRM1885C1H7R3WA01# #0.25pF GRM1885C1H7R3WA01# #0.25pF GRM1885C1H7R3DA01# #0.25pF GRM1885C1H7R3DA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6BA01# #0.5pF GRM1885C1H7R6BA01# #0.5pF GRM1885C1H7R6CA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01#					±0.5pF	GRM1885C1H6R9DA01#	
#0.25pF GRM1885C1H7R0CA01# #0.5pF GRM1885C1H7R0DA01# #0.1pF GRM1885C1H7R1WA01# #0.25pF GRM1885C1H7R1BA01# #0.25pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R2WA01# #0.1pF GRM1885C1H7R2WA01# #0.5pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R3WA01# #0.1pF GRM1885C1H7R3WA01# #0.1pF GRM1885C1H7R3WA01# #0.25pF GRM1885C1H7R3DA01# #0.5pF GRM1885C1H7R3DA01# #0.5pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6BA01# #0.5pF GRM1885C1H7R6BA01# #0.5pF GRM1885C1H7R6DA01#				7.0pF	±0.05pF	GRM1885C1H7R0WA01#	
#0.5pF GRM1885C1H7R0DA01# #0.1pF GRM1885C1H7R1BA01# #0.25pF GRM1885C1H7R1BA01# #0.5pF GRM1885C1H7R1CA01# #0.5pF GRM1885C1H7R1DA01# #0.5pF GRM1885C1H7R2WA01# #0.1pF GRM1885C1H7R2WA01# #0.25pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R2DA01# #0.5pF GRM1885C1H7R3WA01# #0.1pF GRM1885C1H7R3WA01# #0.1pF GRM1885C1H7R3WA01# #0.5pF GRM1885C1H7R3DA01# #0.5pF GRM1885C1H7R3DA01# #0.5pF GRM1885C1H7R4WA01# #0.1pF GRM1885C1H7R4WA01# #0.25pF GRM1885C1H7R4WA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6CA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01#					±0.1pF	GRM1885C1H7R0BA01#	
7.1pF ±0.05pF GRM1885C1H7R1WA01# ±0.1pF GRM1885C1H7R1BA01# ±0.5pF GRM1885C1H7R1DA01# 7.2pF ±0.05pF GRM1885C1H7R2WA01# ±0.1pF GRM1885C1H7R2WA01# ±0.25pF GRM1885C1H7R2DA01# ±0.5pF GRM1885C1H7R2DA01# 20.5pF GRM1885C1H7R3WA01# ±0.1pF GRM1885C1H7R3WA01# ±0.25pF GRM1885C1H7R3DA01# 20.25pF GRM1885C1H7R3DA01# 20.25pF GRM1885C1H7R3DA01# 20.25pF GRM1885C1H7R3DA01# 20.5pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4WA01# ±0.25pF GRM1885C1H7R4DA01# 20.5pF GRM1885C1H7R5DA01# 20.5pF GRM1885C1H7R5DA01# 20.5pF GRM1885C1H7R5DA01# 20.5pF GRM1885C1H7R5DA01# 20.5pF GRM1885C1H7R6WA01# 20.5pF GRM1885C1H7R6WA01# 20.1pF GRM1885C1H7R6WA01# 20.1pF GRM1885C1H7R6WA01# 20.1pF GRM1885C1H7R6DA01# 20.1pF GRM1885C1H7R6DA01# 20.25pF GRM1885C1H7R6DA01# 20.5pF GRM1885C1H7R6DA01# 20.5pF GRM1885C1H7R6DA01# 20.5pF GRM1885C1H7R6DA01#					-		
#0.1pF GRM1885C1H7R1BA01# #0.25pF GRM1885C1H7R1CA01# #0.5pF GRM1885C1H7R1DA01# 7.2pF					· ·		
#0.25pF GRM1885C1H7R1CA01# #0.5pF GRM1885C1H7R1DA01# 7.2pF				7.1pF	-		
#0.5pF GRM1885C1H7R1DA01# 7.2pF					<u> </u>		
7.2pF ±0.05pF GRM1885C1H7R2WA01# ±0.1pF GRM1885C1H7R2BA01# ±0.25pF GRM1885C1H7R2CA01# ±0.5pF GRM1885C1H7R3WA01# ±0.1pF GRM1885C1H7R3WA01# ±0.1pF GRM1885C1H7R3CA01# ±0.5pF GRM1885C1H7R3CA01# ±0.5pF GRM1885C1H7R3DA01# 7.4pF ±0.05pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4WA01# ±0.25pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5WA01# ±0.25pF GRM1885C1H7R5WA01# ±0.5pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6WA01# ±0.25pF GRM1885C1H7R6CA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6CA01#							
#0.1pF GRM1885C1H7R2BA01# #0.25pF GRM1885C1H7R2CA01# #0.5pF GRM1885C1H7R2DA01# 7.3pF #0.05pF GRM1885C1H7R3WA01# #0.1pF GRM1885C1H7R3BA01# #0.25pF GRM1885C1H7R3CA01# #0.5pF GRM1885C1H7R3DA01# #0.1pF GRM1885C1H7R3DA01# #0.1pF GRM1885C1H7R4WA01# #0.1pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R5DA01# #0.25pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R6DA01# #0.25pF GRM1885C1H7R6DA01# #0.25pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01#				72.5	· ·		
#0.25pF GRM1885C1H7R2CA01# #0.5pF GRM1885C1H7R2DA01# 7.3pF #0.05pF GRM1885C1H7R3WA01# #0.1pF GRM1885C1H7R3BA01# #0.5pF GRM1885C1H7R3CA01# #0.5pF GRM1885C1H7R3DA01# 7.4pF #0.05pF GRM1885C1H7R3DA01# #0.1pF GRM1885C1H7R4WA01# #0.25pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R4DA01# #0.5pF GRM1885C1H7R5WA01# #0.1pF GRM1885C1H7R5WA01# #0.25pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R5WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6WA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01# #0.5pF GRM1885C1H7R6DA01#				7.2pF			
#0.5pF GRM1885C1H7R2DA01# 7.3pF					<u> </u>		
7.3pF ±0.05pF GRM1885C1H7R3WA01# ±0.1pF GRM1885C1H7R3BA01# ±0.25pF GRM1885C1H7R3CA01# ±0.5pF GRM1885C1H7R3DA01# 7.4pF ±0.05pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5WA01# ±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R6CA01#							
±0.1pF GRM1885C1H7R3BA01# ±0.25pF GRM1885C1H7R3CA01# ±0.5pF GRM1885C1H7R3DA01# 7.4pF ±0.05pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R4DA01# 10.1pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5WA01# ±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R6CA01# ±0.1pF GRM1885C1H7R6CA01# ±0.25pF GRM1885C1H7R6CA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6CA01#				7.2-5			
±0.25pF GRM1885C1H7R3CA01# ±0.5pF GRM1885C1H7R3DA01# 7.4pF ±0.05pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4BA01# ±0.25pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R4DA01# 7.5pF ±0.05pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5BA01# ±0.25pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R6DA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6DA01# ±0.5pF GRM1885C1H7R6DA01# ±0.5pF GRM1885C1H7R6DA01#				7.3рг			
#0.5pF GRM1885C1H7R3DA01# 7.4pF #0.05pF GRM1885C1H7R4WA01# #0.1pF GRM1885C1H7R4BA01# #0.25pF GRM1885C1H7R4CA01# #0.5pF GRM1885C1H7R4DA01# 7.5pF #0.05pF GRM1885C1H7R5WA01# #0.1pF GRM1885C1H7R5BA01# #0.25pF GRM1885C1H7R5CA01# #0.5pF GRM1885C1H7R5DA01# #0.5pF GRM1885C1H7R6WA01# #0.1pF GRM1885C1H7R6WA01# #0.25pF GRM1885C1H7R6CA01# #0.5pF GRM1885C1H7R6CA01# #0.5pF GRM1885C1H7R6CA01# #0.5pF GRM1885C1H7R6DA01#							
7.4pF ±0.05pF GRM1885C1H7R4WA01# ±0.1pF GRM1885C1H7R4BA01# ±0.25pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R4DA01# 7.5pF ±0.05pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5BA01# ±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01#							
±0.1pF GRM1885C1H7R4BA01# ±0.25pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R4DA01# 7.5pF ±0.05pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5BA01# ±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5DA01# ±0.5pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01# ±0.5pF GRM1885C1H7R6DA01#				7.4nE	· ·		
±0.25pF GRM1885C1H7R4CA01# ±0.5pF GRM1885C1H7R4DA01# 7.5pF ±0.05pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5BA01# ±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5DA01# 7.6pF ±0.05pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01# 10.5pF GRM1885C1H7R7WA01#				7.4pr	<u> </u>		
±0.5pF GRM1885C1H7R4DA01# 7.5pF ±0.05pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5BA01# ±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5DA01# 7.6pF ±0.05pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01#							
7.5pF ±0.05pF GRM1885C1H7R5WA01# ±0.1pF GRM1885C1H7R5BA01# ±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5DA01# 7.6pF ±0.05pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R7WA01#					· ·		
±0.1pF GRM1885C1H7R5BA01# ±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5DA01# 7.6pF ±0.05pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01# 7.7pF ±0.05pF GRM1885C1H7R7WA01#				7 5 n F	· ·		
±0.25pF GRM1885C1H7R5CA01# ±0.5pF GRM1885C1H7R5DA01# 7.6pF ±0.05pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01# 7.7pF ±0.05pF GRM1885C1H7R7WA01#				الود. ،	· ·		
±0.5pF GRM1885C1H7R5DA01# 7.6pF ±0.05pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01# 7.7pF ±0.05pF GRM1885C1H7R7WA01#					<u> </u>		
7.6pF ±0.05pF GRM1885C1H7R6WA01# ±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01# 7.7pF ±0.05pF GRM1885C1H7R7WA01#							
±0.1pF GRM1885C1H7R6BA01# ±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01# 7.7pF ±0.05pF GRM1885C1H7R7WA01#				7.6pF	-		
±0.25pF GRM1885C1H7R6CA01# ±0.5pF GRM1885C1H7R6DA01# 7.7pF ±0.05pF GRM1885C1H7R7WA01#				- 1**			
±0.5pF GRM1885C1H7R6DA01# 7.7pF ±0.05pF GRM1885C1H7R7WA01#							
7.7pF ±0.05pF GRM1885C1H7R7WA01#							
				7.7pF			

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	COG	7.7pF	±0.25pF	GRM1885C1H7R7CA01#	
				±0.5pF	GRM1885C1H7R7DA01#	
			7.8pF	±0.05pF	GRM1885C1H7R8WA01#	
				±0.1pF	GRM1885C1H7R8BA01#	
				±0.25pF	GRM1885C1H7R8CA01#	
				±0.5pF	GRM1885C1H7R8DA01#	
			7.9pF	±0.05pF	GRM1885C1H7R9WA01#	
				±0.1pF	GRM1885C1H7R9BA01#	
				±0.25pF	GRM1885C1H7R9CA01#	
				±0.5pF	GRM1885C1H7R9DA01#	
			8.0pF	±0.05pF	GRM1885C1H8R0WA01#	
				±0.1pF	GRM1885C1H8R0BA01#	
				±0.25pF	GRM1885C1H8R0CA01#	
				±0.5pF	GRM1885C1H8R0DA01#	
			8.1pF	±0.05pF	GRM1885C1H8R1WA01#	
				±0.1pF	GRM1885C1H8R1BA01#	
				±0.25pF	GRM1885C1H8R1CA01#	
				±0.5pF	GRM1885C1H8R1DA01#	
			8.2pF	±0.05pF	GRM1885C1H8R2WA01#	
				±0.1pF	GRM1885C1H8R2BA01#	
				±0.25pF	GRM1885C1H8R2CA01#	
				±0.5pF	GRM1885C1H8R2DA01#	
			8.3pF	±0.05pF	GRM1885C1H8R3WA01#	
			8.4pF	±0.1pF	GRM1885C1H8R3BA01#	
				±0.25pF	GRM1885C1H8R3CA01#	
				±0.5pF	GRM1885C1H8R3DA01#	
				±0.05pF	GRM1885C1H8R4WA01#	
				±0.1pF	GRM1885C1H8R4BA01#	
				±0.25pF	GRM1885C1H8R4CA01#	
				±0.5pF	GRM1885C1H8R4DA01#	
			8.5pF	±0.05pF	GRM1885C1H8R5WA01#	
				±0.1pF	GRM1885C1H8R5BA01#	
				±0.25pF	GRM1885C1H8R5CA01#	
				±0.5pF	GRM1885C1H8R5DA01#	
			8.6pF	±0.05pF	GRM1885C1H8R6WA01#	
				±0.1pF	GRM1885C1H8R6BA01#	
				±0.25pF	GRM1885C1H8R6CA01#	
				±0.5pF	GRM1885C1H8R6DA01#	
			8.7pF	±0.05pF	GRM1885C1H8R7WA01#	
				±0.1pF	GRM1885C1H8R7BA01#	
				±0.25pF	GRM1885C1H8R7CA01#	
				±0.5pF	GRM1885C1H8R7DA01#	
			8.8pF	±0.05pF	GRM1885C1H8R8WA01#	
					GRM1885C1H8R8BA01#	
				· ·	GRM1885C1H8R8CA01#	
					GRM1885C1H8R8DA01#	_
			8.9pF	· ·	GRM1885C1H8R9WA01#	_
					GRM1885C1H8R9BA01#	
				· ·	GRM1885C1H8R9CA01#	
			00.5		GRM1885C1H8R9DA01#	
			9.0pF		GRM1885C1H9R0WA01#	
					GRM1885C1H9R0BA01#	\vdash
					GRM1885C1H9R0CA01#	\vdash
				±0.5pF	GRM1885C1H9R0DA01#	

GR4

GD C

pensating Type Part Number List

			Temp	erat	ure Compensati																	
(→ 1.6	×0.8mm	1)																				
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number																	
0.9mm	50Vdc	COG	G 9.1pF	±0.05pF	GRM1885C1H9R1WA01#																	
				±0.1pF	GRM1885C1H9R1BA01#																	
				±0.25pF	GRM1885C1H9R1CA01#																	
				±0.5pF	GRM1885C1H9R1DA01#																	
			9.2pF	±0.05pF	GRM1885C1H9R2WA01#																	
				±0.1pF	GRM1885C1H9R2BA01#																	
				±0.25pF	GRM1885C1H9R2CA01#																	
				±0.5pF	GRM1885C1H9R2DA01#																	
			9.3pF	±0.05pF	GRM1885C1H9R3WA01#																	
				±0.1pF	GRM1885C1H9R3BA01#																	
				±0.25pF	GRM1885C1H9R3CA01#																	
				±0.5pF	GRM1885C1H9R3DA01#																	
			9.4pF	±0.05pF	GRM1885C1H9R4WA01#																	
				±0.1pF	GRM1885C1H9R4BA01#																	
				±0.25pF	GRM1885C1H9R4CA01#																	
				±0.5pF	GRM1885C1H9R4DA01#																	
			9.5pF	±0.05pF	GRM1885C1H9R5WA01#																	
				±0.1pF	GRM1885C1H9R5BA01#																	
				±0.25pF	GRM1885C1H9R5CA01#																	
				±0.5pF	GRM1885C1H9R5DA01#																	
		9.6pF	9.6pF	±0.05pF	GRM1885C1H9R6WA01#																	
			±0.1pF	GRM1885C1H9R6BA01#																		
			±0.25pF	GRM1885C1H9R6CA01#																		
				±0.5pF	GRM1885C1H9R6DA01#																	
			9.7pF	±0.05pF	GRM1885C1H9R7WA01#																	
				±0.1pF	GRM1885C1H9R7BA01#																	
				±0.25pF	GRM1885C1H9R7CA01#																	
				±0.5pF	GRM1885C1H9R7DA01#																	
			9.8pF		GRM1885C1H9R8WA01#																	
				±0.1pF	GRM1885C1H9R8BA01#																	
				±0.25pF	GRM1885C1H9R8CA01#																	
				±0.5pF	GRM1885C1H9R8DA01#																	
			9.9pF	±0.05pF	GRM1885C1H9R9WA01#																	
				±0.1pF	GRM1885C1H9R9BA01#																	
					GRM1885C1H9R9CA01#																	
				±0.5pF	GRM1885C1H9R9DA01#																	
			10pF	±5%	GRM1885C1H100JA01#																	
			12pF	±5%	GRM1885C1H120JA01#																	
			15pF	±5%	GRM1885C1H150JA01#																	
			18pF	±5%	GRM1885C1H180JA01#																	
			22pF	±5%	GRM1885C1H220JA01#																	
			27pF	±5%	GRM1885C1H270JA01#																	
			33pF	±5%	GRM1885C1H330JA01#																	
									39pF	±5%	GRM1885C1H390JA01#											
			47pF	±5%	GRM1885C1H470JA01#																	
			56pF	±5%	GRM1885C1H560JA01#																	
			68pF	±5%	GRM1885C1H680JA01#																	
			82pF	±5%	GRM1885C1H820JA01#																	
											-	100pF	±5%	GRM1885C1H101JA01#								
																	I -					
			150pF	±5%	GRM1885C1H151JA01#																	
			180pF	±5%	GRM1885C1H181JA01#																	

220pF

270pF

±5%

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	COG	330pF	±5%	GRM1885C1H331JA01#	
			390pF	±5%	GRM1885C1H391JA01#	—
			470pF	±5%	GRM1885C1H471JA01#	—
			560pF	±5%	GRM1885C1H561JA01#	—
			680pF	±5%	GRM1885C1H681JA01#	—
			820pF	±5%	GRM1885C1H821JA01#	—
			1000pF	±5%	GRM1885C1H102JA01#	_
			1200pF	±5%	GRM1885C1H122JA01#	_
			1500pF	±5%	GRM1885C1H152JA01#	—
			1800pF	±5%	GRM1885C1H182JA01#	—
			2200pF	±5%	GRM1885C1H222JA01#	—
			2700pF	±5%	GRM1885C1H272JA01#	—
			3300pF	±5%	GRM1885C1H332JA01#	—
			3900pF	±5%	GRM1885C1H392JA01#	—
			4700pF	±5%	GRM1885C1H472JA01#	
			5600pF	±5%	GRM1885C1H562JA01#	
			6800pF	±5%	GRM1885C1H682JA01#	
			8200pF	±5%	GRM1885C1H822JA01#	—
			10000pF	±5%	GRM1885C1H103JA01#	_
		CK	0.50pF		GRM1884C1HR50WA01#	—
		CIX	0.50рі	-	GRM1884C1HR50BA01#	—
			0.60pF	-	GRM1884C1HR60WA01#	—
			0.00рі	-	GRM1884C1HR60BA01#	—
			0.70pF	-	GRM1884C1HR70WA01#	—
			0.70рі		GRM1884C1HR70BA01#	—
			0.80pF		GRM1884C1HR80WA01#	—
			о.оорі	-	GRM1884C1HR80BA01#	—
			0.90pF		GRM1884C1HR90WA01#	—
			о.5 ор.		GRM1884C1HR90BA01#	—
			1.0pF		GRM1884C1H1R0WA01#	—
					GRM1884C1H1R0BA01#	_
					GRM1884C1H1R0CA01#	—
			1.1pF		GRM1884C1H1R1WA01#	—
					GRM1884C1H1R1BA01#	_
					GRM1884C1H1R1CA01#	_
			1.2pF		GRM1884C1H1R2WA01#	—
					GRM1884C1H1R2BA01#	_
					GRM1884C1H1R2CA01#	—
			1.3pF		GRM1884C1H1R3WA01#	—
					GRM1884C1H1R3BA01#	_
				±0.25pF	GRM1884C1H1R3CA01#	_
			1.4pF	±0.05pF	GRM1884C1H1R4WA01#	_
					GRM1884C1H1R4BA01#	_
					GRM1884C1H1R4CA01#	_
			1.5pF		GRM1884C1H1R5WA01#	_
					GRM1884C1H1R5BA01#	_
					GRM1884C1H1R5CA01#	_
			1.6pF		GRM1884C1H1R6WA01#	_
					GRM1884C1H1R6BA01#	_
					GRM1884C1H1R6CA01#	_
			1.7pF	-	GRM1884C1H1R7WA01#	_
			'	-	GRM1884C1H1R7BA01#	_
				-	GRM1884C1H1R7CA01#	_
			1.8pF	-	GRM1884C1H1R8WA01#	_
						—

GRM1885C1H221JA01#

GRM1885C1H271JA01#

(→ 1.6	«0.8mm	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	50Vdc	СК	1.8pF	±0.1pF	GRM1884C1H1R8BA01#
				±0.25pF	GRM1884C1H1R8CA01#
			1.9pF	±0.05pF	GRM1884C1H1R9WA01#
				±0.1pF	GRM1884C1H1R9BA01#
				±0.25pF	GRM1884C1H1R9CA01#
			2.0pF	±0.05pF	GRM1884C1H2R0WA01#
				±0.1pF	GRM1884C1H2R0BA01#
				±0.25pF	GRM1884C1H2R0CA01#
		C1	2.1pF	±0.05pF	GRM1883C1H2R1WA01#
				±0.1pF	GRM1883C1H2R1BA01#
				±0.25pF	GRM1883C1H2R1CA01#
			2.2pF	±0.05pF	GRM1883C1H2R2WA01#
				±0.1pF	GRM1883C1H2R2BA01#
				±0.25pF	GRM1883C1H2R2CA01#
			2.3pF	±0.05pF	GRM1883C1H2R3WA01#
				±0.1pF	GRM1883C1H2R3BA01#
				±0.25pF	GRM1883C1H2R3CA01#
			2.4pF		GRM1883C1H2R4WA01#
				· ·	GRM1883C1H2R4BA01#
				-	GRM1883C1H2R4CA01#
			2.5pF		GRM1883C1H2R5WA01#
				<u> </u>	GRM1883C1H2R5BA01#
				-	GRM1883C1H2R5CA01#
			2.6pF		GRM1883C1H2R6WA01#
				· ·	GRM1883C1H2R6BA01#
				· ·	GRM1883C1H2R6CA01#
			2.7pF		GRM1883C1H2R7WA01#
				<u> </u>	GRM1883C1H2R7BA01#
			2.0-5	· ·	GRM1883C1H2R7CA01#
			2.8pF		GRM1883C1H2R8WA01#
				±0.1pF	GRM1883C1H2R8BA01# GRM1883C1H2R8CA01#
			2 0pE	<u> </u>	GRM1883C1H2R9WA01#
			2.9pF		GRM1883C1H2R9BA01#
					GRM1883C1H2R9CA01#
			3.0pF		GRM1883C1H3R0WA01#
			5.0рі		GRM1883C1H3R0BA01#
				<u> </u>	GRM1883C1H3R0CA01#
			3.1pF	-	GRM1883C1H3R1WA01#
			J.1pi		GRM1883C1H3R1BA01#
					GRM1883C1H3R1CA01#
			3.2pF	· ·	GRM1883C1H3R2WA01#
			ор.		GRM1883C1H3R2BA01#
					GRM1883C1H3R2CA01#
			3.3pF	-	GRM1883C1H3R3WA01#
			·	-	GRM1883C1H3R3BA01#
				-	GRM1883C1H3R3CA01#
			3.4pF	-	GRM1883C1H3R4WA01#
			15.5	-	GRM1883C1H3R4BA01#
					GRM1883C1H3R4CA01#
			3.5pF	-	GRM1883C1H3R5WA01#
			- 1		GRM1883C1H3R5BA01#
					GRM1883C1H3R5CA01#
			3.6pF	-	GRM1883C1H3R6WA01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	C1	3.6pF	±0.1pF	GRM1883C1H3R6BA01#	
				±0.25pF	GRM1883C1H3R6CA01#	
			3.7pF	±0.05pF	GRM1883C1H3R7WA01#	
				±0.1pF	GRM1883C1H3R7BA01#	
				±0.25pF	GRM1883C1H3R7CA01#	
			3.8pF	±0.05pF	GRM1883C1H3R8WA01#	
				±0.1pF	GRM1883C1H3R8BA01#	
				±0.25pF	GRM1883C1H3R8CA01#	
			3.9pF	±0.05pF	GRM1883C1H3R9WA01#	
				±0.1pF	GRM1883C1H3R9BA01#	
				±0.25pF	GRM1883C1H3R9CA01#	
		СН	4.0pF	±0.05pF	GRM1882C1H4R0WA01#	
				±0.1pF	GRM1882C1H4R0BA01#	
				±0.25pF	GRM1882C1H4R0CA01#	
			4.1pF	±0.05pF	GRM1882C1H4R1WA01#	
				±0.1pF	GRM1882C1H4R1BA01#	
				±0.25pF	GRM1882C1H4R1CA01#	
			4.2pF	±0.05pF	GRM1882C1H4R2WA01#	
				±0.1pF	GRM1882C1H4R2BA01#	
		-		±0.25pF	GRM1882C1H4R2CA01#	
			4.3pF	±0.05pF	GRM1882C1H4R3WA01#	
				±0.1pF	GRM1882C1H4R3BA01#	
		-		±0.25pF	GRM1882C1H4R3CA01#	
			4.4pF	±0.05pF	GRM1882C1H4R4WA01#	
				±0.1pF	GRM1882C1H4R4BA01#	
				±0.25pF	GRM1882C1H4R4CA01#	
			4.5pF	±0.05pF	GRM1882C1H4R5WA01#	
				±0.1pF	GRM1882C1H4R5BA01#	
				±0.25pF	GRM1882C1H4R5CA01#	
			4.6pF	±0.05pF	GRM1882C1H4R6WA01#	
				±0.1pF	GRM1882C1H4R6BA01#	
				±0.25pF	GRM1882C1H4R6CA01#	
			4.7pF	±0.05pF	GRM1882C1H4R7WA01#	
				±0.1pF	GRM1882C1H4R7BA01#	
				±0.25pF	GRM1882C1H4R7CA01#	
			4.8pF	±0.05pF	GRM1882C1H4R8WA01#	
				±0.1pF	GRM1882C1H4R8BA01#	
				±0.25pF	GRM1882C1H4R8CA01#	
			4.9pF	±0.05pF	GRM1882C1H4R9WA01#	
				±0.1pF	GRM1882C1H4R9BA01#	
				±0.25pF	GRM1882C1H4R9CA01#	
			5.0pF	±0.05pF	GRM1882C1H5R0WA01#	
				±0.1pF	GRM1882C1H5R0BA01#	
				±0.25pF	GRM1882C1H5R0CA01#	
			5.1pF	±0.05pF	GRM1882C1H5R1WA01#	
				±0.1pF	GRM1882C1H5R1BA01#	
				±0.25pF	GRM1882C1H5R1CA01#	
				±0.5pF	GRM1882C1H5R1DA01#	
			5.2pF	±0.05pF	GRM1882C1H5R2WA01#	
				±0.1pF	GRM1882C1H5R2BA01#	
				±0.25pF	GRM1882C1H5R2CA01#	
				±0.5pF	GRM1882C1H5R2DA01#	
			5.3pF	-	GRM1882C1H5R3WA01#	
				±0.1pF	GRM1882C1H5R3BA01#	

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GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

(→ 1.6)	0.8mm،	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	СН	5.3pF	±0.25pF	GRM1882C1H5R3CA01#	
				±0.5pF	GRM1882C1H5R3DA01#	
			5.4pF	±0.05pF	GRM1882C1H5R4WA01#	
				±0.1pF	GRM1882C1H5R4BA01#	
				±0.25pF	GRM1882C1H5R4CA01#	
				±0.5pF	GRM1882C1H5R4DA01#	
			5.5pF		GRM1882C1H5R5WA01#	
				±0.1pF	GRM1882C1H5R5BA01#	
				±0.25pF	GRM1882C1H5R5CA01#	
				±0.5pF	GRM1882C1H5R5DA01#	
			5.6pF	±0.05pF	GRM1882C1H5R6WA01#	
				±0.1pF	GRM1882C1H5R6BA01#	
				±0.25pF	GRM1882C1H5R6CA01#	
				±0.5pF	GRM1882C1H5R6DA01#	
			5.7pF	±0.05pF	GRM1882C1H5R7WA01#	
			·		GRM1882C1H5R7BA01#	
				· ·	GRM1882C1H5R7CA01#	
				±0.5pF	GRM1882C1H5R7DA01#	
			5.8pF		GRM1882C1H5R8WA01#	
				±0.1pF	GRM1882C1H5R8BA01#	
				±0.25pF	GRM1882C1H5R8CA01#	
				±0.5pF	GRM1882C1H5R8DA01#	
			5.9pF	±0.05pF	GRM1882C1H5R9WA01#	
				±0.1pF	GRM1882C1H5R9BA01#	
					±0.25pF	GRM1882C1H5R9CA01#
				±0.5pF	GRM1882C1H5R9DA01#	
			6.0pF	±0.05pF	GRM1882C1H6R0WA01#	
				±0.1pF	GRM1882C1H6R0BA01#	
				±0.25pF	GRM1882C1H6R0CA01#	
				±0.5pF	GRM1882C1H6R0DA01#	
			6.1pF	±0.05pF	GRM1882C1H6R1WA01#	
				±0.1pF	GRM1882C1H6R1BA01#	
				±0.25pF	GRM1882C1H6R1CA01#	
				±0.5pF	GRM1882C1H6R1DA01#	
			6.2pF	±0.05pF	GRM1882C1H6R2WA01#	
				±0.1pF	GRM1882C1H6R2BA01#	
				±0.25pF	GRM1882C1H6R2CA01#	
				±0.5pF	GRM1882C1H6R2DA01#	
			6.3pF	±0.05pF	GRM1882C1H6R3WA01#	
				±0.1pF	GRM1882C1H6R3BA01#	
				<u> </u>	GRM1882C1H6R3CA01#	
				· ·	GRM1882C1H6R3DA01#	
			6.4pF		GRM1882C1H6R4WA01#	
				<u> </u>	GRM1882C1H6R4BA01#	
					GRM1882C1H6R4CA01# GRM1882C1H6R4DA01#	
			6.5pF		GRM1882C1H6R5WA01#	
			- 1	<u> </u>	GRM1882C1H6R5BA01#	
					GRM1882C1H6R5CA01#	
					GRM1882C1H6R5DA01#	
			6.6pF		GRM1882C1H6R6WA01#	
			- 1	· ·	GRM1882C1H6R6BA01#	
				±0.25pF	GRM1882C1H6R6CA01#	
				±0.5pF	GRM1882C1H6R6DA01#	

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T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	50Vdc	СН	6.7pF	±0.05pF	GRM1882C1H6R7WA01#
				±0.1pF	GRM1882C1H6R7BA01#
					GRM1882C1H6R7CA01#
					GRM1882C1H6R7DA01#
			6.8pF		GRM1882C1H6R8WA01#
					GRM1882C1H6R8BA01#
					GRM1882C1H6R8CA01#
					GRM1882C1H6R8DA01#
			6.9pF	±0.05pF	GRM1882C1H6R9WA01#
				±0.1pF	GRM1882C1H6R9BA01#
				±0.25pF	GRM1882C1H6R9CA01#
					GRM1882C1H6R9DA01#
			7.0pF		GRM1882C1H7R0WA01#
				- '	GRM1882C1H7R0BA01#
					GRM1882C1H7R0CA01#
				±0.5pF	GRM1882C1H7R0DA01#
			7.1pF	±0.05pF	GRM1882C1H7R1WA01#
				±0.1pF	GRM1882C1H7R1BA01#
				±0.25pF	GRM1882C1H7R1CA01#
					GRM1882C1H7R1DA01#
			7.2pF	±0.05pF	GRM1882C1H7R2WA01#
					GRM1882C1H7R2BA01#
					GRM1882C1H7R2CA01#
					GRM1882C1H7R2DA01#
			7.3pF		GRM1882C1H7R3WA01#
				±0.1pF	GRM1882C1H7R3BA01#
					GRM1882C1H7R3CA01#
					GRM1882C1H7R3DA01#
			7.4pF		GRM1882C1H7R4WA01#
					GRM1882C1H7R4BA01#
					GRM1882C1H7R4CA01#
			7	±0.5pF	GRM1882C1H7R4DA01#
			7.5pF		GRM1882C1H7R5WA01#
					GRM1882C1H7R5BA01#
					GRM1882C1H7R5CA01#
			7655		GRM1882C1H7R5DA01#
			7.6pF		GRM1882C1H7R6WA01#
					GRM1882C1H7R6BA01#
					GRM1882C1H7R6CA01#
			7 7nE		GRM1882C1H7R6DA01# GRM1882C1H7R7WA01#
			7.7pF		GRM1882C1H7R7BA01#
					GRM1882C1H7R7CA01#
					GRM1882C1H7R7DA01#
			7.8pF		GRM1882C1H7R8WA01#
			, .opr	· ·	GRM1882C1H7R8BA01#
					GRM1882C1H7R8CA01#
				· ·	GRM1882C1H7R8DA01#
			7.9pF		GRM1882C1H7R9WA01#
			יוקכ. י	±0.03pF	GRM1882C1H7R9BA01#
					GRM1882C1H7R9CA01#
					GRM1882C1H7R9DA01#
			8.0pF		GRM1882C1H8R0WA01#
				±0.1pF	GRM1882C1H8R0BA01#
				-3.±Pi	

(→ 1.6)	0.8mm	1)			
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.9mm	50Vdc	СН	8.0pF	±0.25pF	GRM1882C1H8R0CA01#
				±0.5pF	GRM1882C1H8R0DA01#
			8.1pF	±0.05pF	GRM1882C1H8R1WA01#
				±0.1pF	GRM1882C1H8R1BA01#
				±0.25pF	GRM1882C1H8R1CA01#
				±0.5pF	GRM1882C1H8R1DA01#
			8.2pF	±0.05pF	GRM1882C1H8R2WA01#
				±0.1pF	GRM1882C1H8R2BA01#
				±0.25pF	GRM1882C1H8R2CA01#
				±0.5pF	GRM1882C1H8R2DA01#
			8.3pF	±0.05pF	GRM1882C1H8R3WA01#
				±0.1pF	GRM1882C1H8R3BA01#
				±0.25pF	GRM1882C1H8R3CA01#
				±0.5pF	GRM1882C1H8R3DA01#
			8.4pF	±0.05pF	GRM1882C1H8R4WA01#
				±0.1pF	GRM1882C1H8R4BA01#
				±0.25pF	GRM1882C1H8R4CA01#
				±0.5pF	GRM1882C1H8R4DA01#
			8.5pF	±0.05pF	GRM1882C1H8R5WA01#
				±0.1pF	GRM1882C1H8R5BA01#
				±0.25pF	GRM1882C1H8R5CA01#
				±0.5pF	GRM1882C1H8R5DA01#
			8.6pF	±0.05pF	GRM1882C1H8R6WA01#
				±0.1pF	GRM1882C1H8R6BA01#
				±0.25pF	GRM1882C1H8R6CA01#
				±0.5pF	GRM1882C1H8R6DA01#
			8.7pF	±0.05pF	GRM1882C1H8R7WA01#
				±0.1pF	GRM1882C1H8R7BA01#
				±0.25pF	GRM1882C1H8R7CA01#
				±0.5pF	GRM1882C1H8R7DA01#
			8.8pF	±0.05pF	GRM1882C1H8R8WA01#
				±0.1pF	GRM1882C1H8R8BA01#
				±0.25pF	GRM1882C1H8R8CA01#
				±0.5pF	GRM1882C1H8R8DA01#
			8.9pF	±0.05pF	GRM1882C1H8R9WA01#
				±0.1pF	GRM1882C1H8R9BA01#
				±0.25pF	GRM1882C1H8R9CA01#
				±0.5pF	GRM1882C1H8R9DA01#
			9.0pF		GRM1882C1H9R0WA01#
					GRM1882C1H9R0BA01#
				-	GRM1882C1H9R0CA01#
					GRM1882C1H9R0DA01#
			9.1pF	· ·	GRM1882C1H9R1WA01#
				· ·	GRM1882C1H9R1BA01#
					GRM1882C1H9R1CA01#
			Q 2nE		GRM1882C1H9R1DA01# GRM1882C1H9R2WA01#
			9.2pF		
					GRM1882C1H9R2BA01#
				-	GRM1882C1H9R2CA01# GRM1882C1H9R2DA01#
			9.3pF		GRM1882C1H9R3WA01#
			J.JPI	-	GRM1882C1H9R3BA01#
				-	GRM1882C1H9R3CA01#
				±0.5pF	GRM1882C1H9R3DA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.9mm	50Vdc	СН	9.4pF	±0.05pF	GRM1882C1H9R4WA01#	
				±0.1pF	GRM1882C1H9R4BA01#	
				±0.25pF	GRM1882C1H9R4CA01#	
				±0.5pF	GRM1882C1H9R4DA01#	
			9.5pF	±0.05pF	GRM1882C1H9R5WA01#	
				±0.1pF	GRM1882C1H9R5BA01#	
				±0.25pF	GRM1882C1H9R5CA01#	
				±0.5pF	GRM1882C1H9R5DA01#	
			9.6pF	±0.05pF	GRM1882C1H9R6WA01#	
				±0.1pF	GRM1882C1H9R6BA01#	
				±0.25pF	GRM1882C1H9R6CA01#	
				±0.5pF	GRM1882C1H9R6DA01#	
			9.7pF	±0.05pF	GRM1882C1H9R7WA01#	
				±0.1pF	GRM1882C1H9R7BA01#	
				±0.25pF	GRM1882C1H9R7CA01#	
				±0.5pF	GRM1882C1H9R7DA01#	
			9.8pF	±0.05pF	GRM1882C1H9R8WA01#	
				±0.1pF	GRM1882C1H9R8BA01#	
				±0.25pF	GRM1882C1H9R8CA01#	
				±0.5pF	GRM1882C1H9R8DA01#	
			9.9pF	±0.05pF	GRM1882C1H9R9WA01#	
				±0.1pF	GRM1882C1H9R9BA01#	
				±0.25pF	GRM1882C1H9R9CA01#	
				±0.5pF	GRM1882C1H9R9DA01#	
			10pF	±5%	GRM1882C1H100JA01#	
			12pF	±5%	GRM1882C1H120JA01#	
			15pF	±5%	GRM1882C1H150JA01#	
			18pF	±5%	GRM1882C1H180JA01#	
			22pF	±5%	GRM1882C1H220JA01#	
			27pF	±5%	GRM1882C1H270JA01#	
			33pF	±5%	GRM1882C1H330JA01#	
			39pF	±5%	GRM1882C1H390JA01#	
			47pF	±5%	GRM1882C1H470JA01#	
			56pF	±5%	GRM1882C1H560JA01#	
			68pF	±5%	GRM1882C1H680JA01#	
			82pF	±5%	GRM1882C1H820JA01#	
			100pF	±5%	GRM1882C1H101JA01#	
			120pF	±5%	GRM1882C1H121JA01#	
			150pF	±5%	GRM1882C1H151JA01#	
			180pF	±5%	GRM1882C1H181JA01#	
			220pF	±5%	GRM1882C1H221JA01#	
			270pF	±5%	GRM1882C1H271JA01#	
			330pF	±5%	GRM1882C1H331JA01#	
			390pF	±5%	GRM1882C1H391JA01#	
			470pF	±5%	GRM1882C1H471JA01#	
			560pF	±5%	GRM1882C1H561JA01#	
			680pF	±5%	GRM1882C1H681JA01#	
			820pF	±5%	GRM1882C1H821JA01#	
			1000pF	±5%	GRM1882C1H102JA01#	
			1200pF	±5%	GRM1882C1H122JA01#	
			1500pF	±5%	GRM1882C1H152JA01#	
			1800pF	±5%	GRM1882C1H182JA01#	
			2200pF	±5%	GRM1882C1H222JA01#	
			2700pF	±5%	GRM1882C1H272JA01#	

(→ 1.6×0.8mm)

(7 1.07		·,				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	СН	3300pF	±5%	GRM1882C1H332JA01#	
			3900pF	±5%	GRM1882C1H392JA01#	
			4700pF	±5%	GRM1882C1H472JA01#	
			5600pF	±5%	GRM1882C1H562JA01#	
			6800pF	±5%	GRM1882C1H682JA01#	
			8200pF	±5%	GRM1882C1H822JA01#	
			10000pF	±5%	GRM1882C1H103JA01#	
		SL	1200pF	±5%	GRM1881X1H122JA01#	
			1500pF	±5%	GRM1881X1H152JA01#	
			1800pF	±5%	GRM1881X1H182JA01#	
			2200pF	±5%	GRM1881X1H222JA01#	
			2700pF	±5%	GRM1881X1H272JA01#	
			3300pF	±5%	GRM1881X1H332JA01#	
			3900pF	±5%	GRM1881X1H392JA01#	
			4700pF	±5%	GRM1881X1H472JA01#	
			5600pF	±5%	GRM1881X1H562JA01#	
			6800pF	±5%	GRM1881X1H682JA01#	
			8200pF	±5%	GRM1881X1H822JA01#	
			10000pF	±5%	GRM1881X1H103JA01#	
		U2J	1200pF	±5%	GRM1887U1H122JA01#	
			1500pF	±5%	GRM1887U1H152JA01#	
			1800pF	±5%	GRM1887U1H182JA01#	
			2200pF	±5%	GRM1887U1H222JA01#	
			2700pF	±5%	GRM1887U1H272JA01#	
			3300pF	±5%	GRM1887U1H332JA01#	
			3900pF	±5%	GRM1887U1H392JA01#	
			4700pF	±5%	GRM1887U1H472JA01#	
			5600pF	±5%	GRM1887U1H562JA01#	
			6800pF	±5%	GRM1887U1H682JA01#	
			8200pF	±5%	GRM1887U1H822JA01#	
			10000pF		GRM1887U1H103JA01#	
		UJ	1000pF	±5%	GRM1883U1H102JA01#	
			1200pF	±5%	GRM1883U1H122JA01#	
			1500pF	±5%	GRM1883U1H152JA01#	
			1800pF	±5%	GRM1883U1H182JA01#	
			2200pF	±5%	GRM1883U1H222JA01#	
			2700pF	±5%	GRM1883U1H272JA01#	
			3300pF	±5%	GRM1883U1H332JA01#	
			3900pF	±5%	GRM1883U1H392JA01#	
			4700pF	±5%	GRM1883U1H472JA01#	
			5600pF	±5%	GRM1883U1H562JA01#	
			6800pF	±5%	GRM1883U1H682JA01#	
			8200pF	±5%	GRM1883U1H822JA01#	
			10000pF		GRM1883U1H103JA01#	
	10Vdc	SL	12000pF		GRM1881X1A123JA01#	
	. ==		15000pF	±5%	GRM1881X1A153JA01#	
			18000pF		GRM1881X1A183JA01#	
			22000pF		GRM1881X1A223JA01#	
		U2J	12000pF		GRM1887U1A123JA01#	
			15000pF		GRM1887U1A153JA01#	
			18000pF		GRM1887U1A183JA01#	
			22000pF		GRM1887U1A223JA01#	
		UJ	12000pF		GRM1883U1A123JA01#	
		55	15000pF	±5%	GRM1883U1A153JA01#	
					1100001A1303A01#	

T max.	Rated Voltage		Cap.	Tol.	Part Number	
0.9mm	10Vdc	UJ	18000pF	±5%	GRM1883U1A183JA01#	
			22000pF	±5%	GRM1883U1A223JA01#	

2.0×1.25mm

2.U×1.	23111111					
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.7mm	100Vdc	COG	100pF	±5%	GRM2165C2A101JA01#	
			120pF	±5%	GRM2165C2A121JA01#	
			150pF	±5%	GRM2165C2A151JA01#	
			180pF	±5%	GRM2165C2A181JA01#	
			220pF	±5%	GRM2165C2A221JA01#	
			270pF	±5%	GRM2165C2A271JA01#	
			330pF	±5%	GRM2165C2A331JA01#	
			390pF	±5%	GRM2165C2A391JA01#	
			470pF	±5%	GRM2165C2A471JA01#	
			560pF	±5%	GRM2165C2A561JA01#	
			680pF	±5%	GRM2165C2A681JA01#	
			820pF	±5%	GRM2165C2A821JA01#	
			1000pF	±5%	GRM2165C2A102JA01#	
			1200pF	±5%	GRM2165C2A122JA01#	
			1500pF	±5%	GRM2165C2A152JA01#	
			1800pF	±5%	GRM2165C2A182JA01#	
			2200pF	±5%	GRM2165C2A222JA01#	
			2700pF	±5%	GRM2165C2A272JA01#	
			3300pF	±5%	GRM2165C2A332JA01#	
		СН	100pF	±5%	GRM2162C2A101JA01#	
			120pF	±5%	GRM2162C2A121JA01#	
			150pF	±5%	GRM2162C2A151JA01#	
			180pF	±5%	GRM2162C2A181JA01#	
			220pF	±5%	GRM2162C2A221JA01#	
			270pF	±5%	GRM2162C2A271JA01#	
			330pF	±5%	GRM2162C2A331JA01#	
			390pF	±5%	GRM2162C2A391JA01#	
			470pF	±5%	GRM2162C2A471JA01#	
			560pF	±5%	GRM2162C2A561JA01#	
			680pF	±5%	GRM2162C2A681JA01#	
			820pF	±5%	GRM2162C2A821JA01#	
			1000pF	±5%	GRM2162C2A102JA01#	
			1200pF	±5%	GRM2162C2A122JA01#	
			1500pF	±5%	GRM2162C2A152JA01#	
			1800pF	±5%	GRM2162C2A182JA01#	
			2200pF	±5%	GRM2162C2A222JA01#	
			2700pF	±5%	GRM2162C2A272JA01#	
			3300pF	±5%	GRM2162C2A332JA01#	
	50Vdc	COG	1200pF	±5%	GRM2165C1H122JA01#	
			1500pF	±5%	GRM2165C1H152JA01#	
			1800pF	±5%	GRM2165C1H182JA01#	
			2200pF	±5%	GRM2165C1H222JA01#	
			2700pF	±5%	GRM2165C1H272JA01#	
			3300pF	±5%	GRM2165C1H332JA01#	
			3900pF	±5%	GRM2165C1H392JA01#	
			4700pF	±5%	GRM2165C1H472JA01#	
		СН	1200pF	±5%	GRM2162C1H122JA01#	
				ber # indi	cates the package specification	code.

(→ 2.0>	د1.25mı	m)	•		•	
Т	Rated	тс				
max.	Voltage	Code	Сар.	Tol.	Part Number	
0.7mm	50Vdc	СН	1500pF	±5%	GRM2162C1H152JA01#	_
			1800pF	±5%	GRM2162C1H182JA01#	
			2200pF	±5%	GRM2162C1H222JA01#	
			2700pF	±5%	GRM2162C1H272JA01#	
			3300pF	±5%	GRM2162C1H332JA01#	
			3900pF	±5%	GRM2162C1H392JA01#	
			4700pF	±5%	GRM2162C1H472JA01#	
		SL	12000pF	±5%	GRM2161X1H123JA01#	
			15000pF	±5%	GRM2161X1H153JA01#	
			18000pF	±5%	GRM2161X1H183JA01#	
		U2J	12000pF	±5%	GRM2167U1H123JA01#	
			15000pF	±5%	GRM2167U1H153JA01#	
			18000pF	±5%	GRM2167U1H183JA01#	
		UJ	10000pF	±5%	GRM2163U1H103JA01#	
			12000pF	±5%	GRM2163U1H123JA01#	
			15000pF	±5%	GRM2163U1H153JA01#	
			18000pF	±5%	GRM2163U1H183JA01#	
0.95mm	50Vdc	COG	5600pF	±5%	GRM2195C1H562JA01#	
			6800pF	±5%	GRM2195C1H682JA01#	
			8200pF	±5%	GRM2195C1H822JA01#	
			10000pF	±5%	GRM2195C1H103JA01#	
			12000pF	±5%	GRM2195C1H123JA01#	
			15000pF	±5%	GRM2195C1H153JA01#	
		СН	5600pF	±5%	GRM2192C1H562JA01#	
			6800pF	±5%	GRM2192C1H682JA01#	
			8200pF	±5%	GRM2192C1H822JA01#	
			10000pF	±5%	GRM2192C1H103JA01#	
			12000pF	±5%	GRM2192C1H123JA01#	
			15000pF	±5%	GRM2192C1H153JA01#	
		SL	22000pF	±5%	GRM2191X1H223JA01#	
			27000pF	±5%	GRM2191X1H273JA01#	
		U2J	22000pF	±5%	GRM2197U1H223JA01#	
			27000pF	±5%	GRM2197U1H273JA01#	
		UJ	22000pF		GRM2193U1H223JA01#	
			27000pF		GRM2193U1H273JA01#	
	10Vdc	SL	56000pF	±5%	GRM2191X1A563JA01#	
		U2J	56000pF	±5%	GRM2197U1A563JA01#	
1.0	C20)(4-	UJ	56000pF	±5%	GRM2193U1A563JA01#	
1.0mm	630Vdc	COG	10pF	±5%	GRM21A5C2J100JWA1#	
			12pF	±5%	GRM21A5C2J120JWA1#	
			15pF	±5%	GRM21A5C2J150JWA1#	
			18pF	±5%	GRM21A5C2J180JWA1#	
			22pF	±5%	GRM21A5C2J220JWA1#	
			27pF 33pF	±5% ±5%	GRM21A5C2J270JWA1# GRM21A5C2J330JWA1#	
			33pF 39pF	±5% ±5%	GRM21A5C2J33UJWA1# GRM21A5C2J39UJWA1#	
			39рг 47рF	±5%	GRM21A5C2J390JWA1#	
			56pF	±5%	GRM21A5C2J560JWA1#	
			68pF	±5%	GRM21A5C2J680JWA1#	
			82pF	±5%	GRM21A5C2J820JWA1#	
			100pF	±5%	GRM21A5C2J101JWA1#	
			120pF	±5%	GRM21A5C2J121JWA1#	_
			150pF	±5%	GRM21A5C2J151JWA1#	_
			180pF	±5%	GRM21A5C2J181JWA1#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.0mm			22055	±5%	CDM21 AEC2 1221 IV/A1#	
1.0111111	630Vdc	COG	220pF 270pF	±5%	GRM21A5C2J221JWA1# GRM21A5C2J271JWA1#	
			330pF	±5%	GRM21A5C2J331JWA1#	
			390pF	±5%	GRM21A5C2J391JWA1#	
			470pF	±5%	GRM21A5C2J471JWA1#	
			560pF	±5%	GRM21A5C2J561JWA1#	
	250Vdc	COG	10pF	±5%	GRM21A5C2E100JW01#	
			12pF	±5%	GRM21A5C2E120JW01#	
			15pF	±5%	GRM21A5C2E150JW01#	
			18pF	±5%	GRM21A5C2E180JW01#	
			22pF	±5%	GRM21A5C2E220JW01#	
			27pF	±5%	GRM21A5C2E270JW01#	
			33pF	±5%	GRM21A5C2E330JW01#	
			39pF	±5%	GRM21A5C2E390JW01#	
			47pF	±5%	GRM21A5C2E470JW01#	
			56pF	±5%	GRM21A5C2E560JW01#	
			68pF	±5%	GRM21A5C2E680JW01#	
			82pF	±5%	GRM21A5C2E820JW01#	
			100pF	±5%	GRM21A5C2E101JW01#	
			120pF	±5%	GRM21A5C2E121JW01#	
			150pF	±5%	GRM21A5C2E151JW01#	
			180pF	±5%	GRM21A5C2E181JW01#	
			220pF	±5%	GRM21A5C2E221JW01#	
			270pF	±5%	GRM21A5C2E271JW01#	
			330pF	±5%	GRM21A5C2E331JW01#	
			390pF	±5%	GRM21A5C2E391JWA1#	
			470pF	±5%	GRM21A5C2E471JWA1#	
			560pF	±5%	GRM21A5C2E561JWA1#	
			680pF	±5%	GRM21A5C2E681JWA1#	
			820pF	±5%	GRM21A5C2E821JWA1#	
			1000pF	±5%	GRM21A5C2E102JWA1#	
			1200pF	±5%	GRM21A5C2E122JWA1#	
			1500pF	±5%	GRM21A5C2E152JWA1#	
			1800pF	±5%	GRM21A5C2E182JWA1#	
			2200pF	±5%	GRM21A5C2E222JWA1#	
			2700pF	±5%	GRM21A5C2E272JWA1#	
		U2J	100pF	±5%	GRM21A7U2E101JW31#	
			120pF	±5%	GRM21A7U2E121JW31#	
			150pF	±5%	GRM21A7U2E151JW31#	
			180pF 220pF	±5% ±5%	GRM21A7U2E181JW31# GRM21A7U2E221JW31#	
			270pF	±5%	GRM21A7U2E271JW31#	
			330pF	±5%	GRM21A7U2E331JW31#	
			390pF	±5%	GRM21A7U2E391JW31#	
			470pF	±5%	GRM21A7U2E471JW31#	
			560pF	±5%	GRM21A7U2E561JW31#	
			680pF	±5%	GRM21A7U2E681JW31#	
			820pF	±5%	GRM21A7U2E821JW31#	
			1000pF	±5%	GRM21A7U2E102JW31#	
			1200pF	±5%	GRM21A7U2E122JW31#	
			1500pF	±5%	GRM21A7U2E152JW31#	
			1800pF	±5%	GRM21A7U2E182JW31#	
			2200pF	±5%	GRM21A7U2E222JW31#	
	200Vdc	COG	10pF	±5%	GRM21A5C2D100JW01#	

GRJ

GR7

GRM Series Temperature Compensating Type Part Number List

(→ 2.0>	1.25m	m)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.0mm	200Vdc	COG	12pF	±5%	GRM21A5C2D120JW01#
			15pF	±5%	GRM21A5C2D150JW01#
			18pF	±5%	GRM21A5C2D180JW01#
			22pF	±5%	GRM21A5C2D220JW01#
			27pF	±5%	GRM21A5C2D270JW01#
			33pF	±5%	GRM21A5C2D330JW01#
			39pF	±5%	GRM21A5C2D390JW01#
			47pF	±5%	GRM21A5C2D470JW01#
			56pF	±5%	GRM21A5C2D560JW01#
			68pF	±5%	GRM21A5C2D680JW01#
			82pF	±5%	GRM21A5C2D820JW01#
			100pF	±5%	GRM21A5C2D101JW01#
			120pF	±5%	GRM21A5C2D121JW01#
			150pF	±5%	GRM21A5C2D151JW01#
			180pF	±5%	GRM21A5C2D181JW01#
			220pF	±5%	GRM21A5C2D221JW01#
			270pF	±5%	GRM21A5C2D271JW01#
			330pF	±5%	GRM21A5C2D331JW01#
		U2J	100pF	±5%	GRM21A7U2D101JW31#
			120pF	±5%	GRM21A7U2D121JW31#
			150pF	±5%	GRM21A7U2D151JW31#
			180pF	±5%	GRM21A7U2D181JW31#
			220pF	±5%	GRM21A7U2D221JW31#
			270pF	±5%	GRM21A7U2D271JW31#
			330pF	±5%	GRM21A7U2D331JW31#
			390pF	±5%	GRM21A7U2D391JW31#
			470pF	±5%	GRM21A7U2D471JW31#
			560pF	±5%	GRM21A7U2D561JW31#
			680pF	±5%	GRM21A7U2D681JW31#
			820pF	±5%	GRM21A7U2D821JW31#
			1000pF	±5%	GRM21A7U2D102JW31#
			1200pF	±5%	GRM21A7U2D122JW31#
			1500pF	±5%	GRM21A7U2D152JW31#
					GRM21A7U2D182JW31#
			1800pF	±5%	
	E0)/4-	CI	2200pF	±5%	GRM21A7U2D222JW31#
	50Vdc	SL	33000pF	±5%	GRM21A1X1H333JA39#
		U2J	33000pF	±5%	GRM21A7U1H333JA39#
1.05	5011	UJ	33000pF	±5%	GRM21A3U1H333JA39#
1.35mm	50Vdc	COG	18000pF	±5%	GRM21B5C1H183JA01#
			22000pF	±5%	GRM21B5C1H223JA01#
		СН	18000pF	±5%	GRM21B2C1H183JA01#
			22000pF	±5%	GRM21B2C1H223JA01#
		SL	39000pF	±5%	GRM21B1X1H393JA01#
			47000pF	±5%	GRM21B1X1H473JA01#
		U2J	39000pF	±5%	GRM21B7U1H393JA01#
			47000pF	±5%	GRM21B7U1H473JA01#
		UJ	39000pF	±5%	GRM21B3U1H393JA01#
			47000pF	±5%	GRM21B3U1H473JA01#
	10Vdc	SL	68000pF	±5%	GRM21B1X1A683JA01#
			82000pF	±5%	GRM21B1X1A823JA01#
			0.10µF	±5%	GRM21B1X1A104JA01#
		U2J	68000pF	±5%	GRM21B7U1A683JA01#
			82000pF	±5%	GRM21B7U1A823JA01#
			0.10µF	±5%	GRM21B7U1A104JA01#

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
1.35mm	10Vdc	UJ	68000pF	±5%	GRM21B3U1A683JA01#
			82000pF	±5%	GRM21B3U1A823JA01#
			0.10µF	±5%	GRM21B3U1A104JA01#
1.45mm	630Vdc	COG	680pF	±5%	GRM21B5C2J681JWA3#
			820pF	±5%	GRM21B5C2J821JWA3#
			1000pF	±5%	GRM21B5C2J102JWA3#
			1200pF	±5%	GRM21B5C2J122JWA3#
	250Vdc	U2J	3300pF	±5%	GRM21B5C2E332JWA1#
			3900pF	±5%	GRM21B5C2E392JWA1#
			4700pF	±5%	GRM21B5C2E472JWA1#
			2700pF	±5%	GRM21B7U2E272JW32#
			3300pF	±5%	GRM21B7U2E332JW32#
			3900pF	±5%	GRM21B7U2E392JW32#
			4700pF	±5%	GRM21B7U2E472JW32#
			5600pF	±5%	GRM21B7U2E562JW32#
	200Vdc	U2J	2700pF	±5%	GRM21B7U2D272JW32#
			3300pF	±5%	GRM21B7U2D332JW32#
			3900pF	±5%	GRM21B7U2D392JW32#
			4700pF	±5%	GRM21B7U2D472JW32#
			5600pF	±5%	GRM21B7U2D562JW32#

3.2×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.95mm	100Vdc	COG	1800pF	±5%	GRM3195C2A182JA01#	
			2200pF	±5%	GRM3195C2A222JA01#	
			2700pF	±5%	GRM3195C2A272JA01#	
			3300pF	±5%	GRM3195C2A332JA01#	
			3900pF	±5%	GRM3195C2A392JA01#	
			4700pF	±5%	GRM3195C2A472JA01#	
			5600pF	±5%	GRM3195C2A562JA01#	
			6800pF	±5%	GRM3195C2A682JA01#	
			8200pF	±5%	GRM3195C2A822JA01#	
			10000pF	±5%	GRM3195C2A103JA01#	
			12000pF	±5%	GRM3195C2A123JA01#	
			15000pF	±5%	GRM3195C2A153JA01#	
			18000pF	±5%	GRM3195C2A183JA01#	
			22000pF	±5%	GRM3195C2A223JA01#	
			27000pF	±5%	GRM3195C2A273JA01#	D1
			33000pF	±5%	GRM3195C2A333JA01#	D1
			39000pF	±5%	GRM3195C2A393JA01#	D1
		СН	1800pF	±5%	GRM3192C2A182JA01#	
			2200pF	±5%	GRM3192C2A222JA01#	
			2700pF	±5%	GRM3192C2A272JA01#	
			3300pF	±5%	GRM3192C2A332JA01#	
			3900pF	±5%	GRM3192C2A392JA01#	
			4700pF	±5%	GRM3192C2A472JA01#	
			5600pF	±5%	GRM3192C2A562JA01#	
			6800pF	±5%	GRM3192C2A682JA01#	
			8200pF	±5%	GRM3192C2A822JA01#	
			10000pF	±5%	GRM3192C2A103JA01#	
			12000pF	±5%	GRM3192C2A123JA01#	
			15000pF	±5%	GRM3192C2A153JA01#	
			Dart num	her#indi	cates the nackage specification	

(→ 3.2)	∢1.6mm	1)	•		•	
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.95mm	100Vdc	СН	18000pF	±5%	GRM3192C2A183JA01#	
			22000pF	±5%	GRM3192C2A223JA01#	
			27000pF	±5%	GRM3192C2A273JA01#	D1
			33000pF	±5%	GRM3192C2A333JA01#	D1
			39000pF	±5%	GRM3192C2A393JA01#	D1
	50Vdc	COG	12000pF	±5%	GRM3195C1H123JA01#	
			15000pF	±5%	GRM3195C1H153JA01#	
			18000pF	±5%	GRM3195C1H183JA01#	
			22000pF	±5%	GRM3195C1H223JA01#	
			27000pF	±5%	GRM3195C1H273JA01#	
			33000pF	±5%	GRM3195C1H333JA01#	
			39000pF	±5%	GRM3195C1H393JA01#	
		СН	12000pF	±5%	GRM3192C1H123JA01#	
			15000pF	±5%	GRM3192C1H153JA01#	
			18000pF	±5%	GRM3192C1H183JA01#	
			22000pF	±5%	GRM3192C1H223JA01#	
			27000pF	±5%	GRM3192C1H273JA01#	
			33000pF	±5%	GRM3192C1H333JA01#	
			39000pF	±5%	GRM3192C1H393JA01#	
		SL	56000pF	±5%	GRM3191X1H563JA01#	
		U2J	56000pF	±5%	GRM3197U1H563JA01#	
		UJ	56000pF	±5%	GRM3193U1H563JA01#	
1.0mm	2000Vdc	U2J	10pF	±5%	GRM31A7U3D100JW31#	
			12pF	±5%	GRM31A7U3D120JW31#	
			15pF	±5%	GRM31A7U3D150JW31#	
			18pF	±5%	GRM31A7U3D180JW31#	
			22pF	±5%	GRM31A7U3D220JW31#	
			27pF	±5%	GRM31A7U3D270JW31#	
			33pF	±5%	GRM31A7U3D330JW31#	
			39pF	±5%	GRM31A7U3D390JW31#	
			47pF	±5%	GRM31A7U3D470JW31#	
			56pF	±5%	GRM31A7U3D560JW31#	
			68pF	±5%	GRM31A7U3D680JW31#	
	1000Vdc	COG	10pF	±5%	GRM31A5C3A100JW01#	
			12pF	±5%	GRM31A5C3A120JW01#	
			15pF	±5%	GRM31A5C3A150JW01#	
			18pF	±5%	GRM31A5C3A180JW01#	
			22pF	±5%	GRM31A5C3A220JW01#	
			27pF	±5%	GRM31A5C3A270JW01#	
			33pF	±5%	GRM31A5C3A330JW01#	
			39pF	±5%	GRM31A5C3A390JW01#	
			47pF	±5%	GRM31A5C3A470JW01#	
			56pF	±5%	GRM31A5C3A560JW01#	
			68pF	±5%	GRM31A5C3A680JW01#	
			82pF	±5%	GRM31A5C3A820JW01#	
			100pF	±5%	GRM31A5C3A101JW01#	
			120pF	±5%	GRM31A5C3A121JW01#	
			150pF	±5%	GRM31A5C3A151JW01#	
			180pF	±5%	GRM31A5C3A181JW01#	
			220pF	±5%	GRM31A5C3A221JW01#	
			270pF	±5%	GRM31A5C3A271JWA1#	
			330pF	±5%	GRM31A5C3A331JWA1#	
			390pF	±5%	GRM31A5C3A391JWA1#	
			470pF	±5%	GRM31A5C3A471JWA1#	

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T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.0mm	1000Vdc	U2J	10pF	±5%	GRM31A7U3A100JW31#	
			12pF	±5%	GRM31A7U3A120JW31#	
			15pF	±5%	GRM31A7U3A150JW31#	
			18pF	±5%	GRM31A7U3A180JW31#	
			22pF	±5%	GRM31A7U3A220JW31#	
			27pF	±5%	GRM31A7U3A270JW31#	
			33pF	±5%	GRM31A7U3A330JW31#	
			39pF	±5%	GRM31A7U3A390JW31#	
			47pF	±5%	GRM31A7U3A470JW31#	
			56pF	±5%	GRM31A7U3A560JW31#	
			68pF	±5%	GRM31A7U3A680JW31#	
			82pF	±5%	GRM31A7U3A820JW31#	
			100pF	±5%	GRM31A7U3A101JW31#	
			120pF	±5%	GRM31A7U3A121JW31#	
			150pF	±5%	GRM31A7U3A151JW31#	
			180pF	±5%	GRM31A7U3A181JW31#	
			220pF	±5%	GRM31A7U3A221JW31#	
			270pF	±5%	GRM31A7U3A271JW31#	
			330pF	±5%	GRM31A7U3A331JW31#	
	630Vdc	COG	10pF	±5%	GRM31A5C2J100JW01#	
			12pF	±5%	GRM31A5C2J120JW01#	
			15pF	±5%	GRM31A5C2J150JW01#	
			18pF	±5%	GRM31A5C2J180JW01#	
			22pF	±5%	GRM31A5C2J220JW01#	
			27pF	±5%	GRM31A5C2J270JW01#	
			33pF	±5%	GRM31A5C2J330JW01#	
			39pF	±5%	GRM31A5C2J390JW01#	
			47pF	±5%	GRM31A5C2J470JW01#	
			56pF	±5%	GRM31A5C2J560JW01#	
			68pF	±5%	GRM31A5C2J680JW01#	
			82pF	±5%	GRM31A5C2J820JW01#	
			100pF	±5%	GRM31A5C2J101JW01#	
			120pF	±5%	GRM31A5C2J121JW01#	
			150pF	±5%	GRM31A5C2J151JW01#	
			180pF	±5%	GRM31A5C2J181JW01#	
			220pF	±5%	GRM31A5C2J221JW01#	
			270pF	±5%	GRM31A5C2J271JW01#	
			330pF	±5%	GRM31A5C2J331JW01#	
			390pF	±5%	GRM31A5C2J391JW01#	
			470pF	±5%	GRM31A5C2J471JW01#	
			560pF	±5%	GRM31A5C2J561JW01#	
			1200pF	±5%	GRM31A5C2J122JWA1#	
			1500pF	±5%	GRM31A5C2J152JWA1#	
			1800pF	±5%	GRM31A5C2J182JWA1#	
		U2J	10pF	±5%	GRM31A7U2J100JW31#	
			12pF	±5%	GRM31A7U2J120JW31#	
			15pF	±5%	GRM31A7U2J150JW31#	
			18pF	±5%	GRM31A7U2J180JW31#	
			22pF	±5%	GRM31A7U2J220JW31#	
			27pF	±5%	GRM31A7U2J270JW31#	
			33pF	±5%	GRM31A7U2J330JW31#	
			39pF	±5%	GRM31A7U2J390JW31#	
			47pF	±5%	GRM31A7U2J470JW31#	
			56pF	±5%	GRM31A7U2J560JW31#	
			_			

GRJ

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GRM Series Temperature Compensating Type Part Number List

(→ 3.2×1.6mm)									
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number				
1.0mm	630Vdc	U2J	68pF	±5%	GRM31A7U2J680JW31#				
			82pF	±5%	GRM31A7U2J820JW31#				
			100pF	±5%	GRM31A7U2J101JW31#				
			120pF	±5%	GRM31A7U2J121JW31#				
			150pF	±5%	GRM31A7U2J151JW31#				
			180pF	±5%	GRM31A7U2J181JW31#				
			220pF	±5%	GRM31A7U2J221JW31#				
			270pF	±5%	GRM31A7U2J271JW31#				
			330pF	±5%	GRM31A7U2J331JW31#				
			390pF	±5%	GRM31A7U2J391JW31#				
			470pF	±5%	GRM31A7U2J471JW31#				
			560pF	±5%	GRM31A7U2J561JW31#				
			680pF	±5%	GRM31A7U2J681JW31#				
			820pF	±5%	GRM31A7U2J821JW31#				
			1000pF	±5%	GRM31A7U2J102JW31#				
			1200pF	±5%	GRM31A7U2J122JW31#				
			1500pF	±5%	GRM31A7U2J152JW31#				
			1800pF	±5%	GRM31A7U2J182JW31#				
			2200pF	±5%	GRM31A7U2J222JW31#				
	500Vdc	COG	10pF	±5%	GRM31A5C2H100JW01#				
			12pF	±5%	GRM31A5C2H120JW01#				
			15pF	±5%	GRM31A5C2H150JW01#				
			18pF	±5%	GRM31A5C2H180JW01#				
			22pF	±5%	GRM31A5C2H220JW01#				
			27pF	±5%	GRM31A5C2H270JW01#				
			33pF	±5%	GRM31A5C2H330JW01#				
			39pF	±5%	GRM31A5C2H390JW01#				
			47pF	±5%	GRM31A5C2H470JW01#				
			56pF	±5%	GRM31A5C2H560JW01#				
			68pF	±5%	GRM31A5C2H680JW01#				
			82pF	±5%	GRM31A5C2H820JW01#				
			100pF	±5%	GRM31A5C2H101JW01#				
			120pF	±5%	GRM31A5C2H121JW01#				
			150pF	±5%	GRM31A5C2H151JW01#				
			180pF	±5%	GRM31A5C2H181JW01#				
			220pF	±5%	GRM31A5C2H221JW01#				
			270pF	±5%	GRM31A5C2H271JW01#				
			330pF	±5%	GRM31A5C2H331JW01#				
			390pF	±5%	GRM31A5C2H391JW01#				
			470pF	±5%	GRM31A5C2H471JW01#				
			560pF	±5%	GRM31A5C2H561JW01#				
		U2J	10pF	±5%	GRM31A7U2H100JW31#				
			12pF	±5%	GRM31A7U2H120JW31#				
			15pF	±5%	GRM31A7U2H150JW31#				
			18pF	±5%	GRM31A7U2H180JW31#				
			22pF	±5%	GRM31A7U2H220JW31#				
			27pF	±5%	GRM31A7U2H270JW31#				
			33pF	±5%	GRM31A7U2H330JW31#				
			39pF	±5%	GRM31A7U2H390JW31#				
			47pF	±5%	GRM31A7U2H470JW31#				
			56pF	±5%	GRM31A7U2H560JW31#				
			68pF	±5%	GRM31A7U2H680JW31#				
			82pF	±5%	GRM31A7U2H820JW31#				
			100pF	±5%	GRM31A7U2H101JW31#				

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.0mm	500Vdc	U2J	120pF	±5%	GRM31A7U2H121JW31#
			150pF	±5%	GRM31A7U2H151JW31#
			180pF	±5%	GRM31A7U2H181JW31#
			220pF	±5%	GRM31A7U2H221JW31#
			270pF	±5%	GRM31A7U2H271JW31#
			330pF	±5%	GRM31A7U2H331JW31#
			390pF	±5%	GRM31A7U2H391JW31#
			470pF	±5%	GRM31A7U2H471JW31#
			560pF	±5%	GRM31A7U2H561JW31#
			680pF	±5%	GRM31A7U2H681JW31#
			820pF	±5%	GRM31A7U2H821JW31#
			1000pF	±5%	GRM31A7U2H102JW31#
			1200pF	±5%	GRM31A7U2H122JW31#
			1500pF	±5%	GRM31A7U2H152JW31#
			1800pF	±5%	GRM31A7U2H182JW31#
			2200pF	±5%	GRM31A7U2H222JW31#
	250Vdc	COG	390pF	±5%	GRM31A5C2E391JWA1#
			470pF	±5%	GRM31A5C2E471JWA1#
			560pF	±5%	GRM31A5C2E561JWA1#
			680pF	±5%	GRM31A5C2E681JWA1#
			820pF	±5%	GRM31A5C2E821JWA1#
			1000pF	±5%	GRM31A5C2E102JWA1#
			1200pF	±5%	GRM31A5C2E122JWA1#
			1500pF	±5%	GRM31A5C2E152JWA1#
			1800pF	±5%	GRM31A5C2E182JWA1#
			2200pF	±5%	GRM31A5C2E222JWA1#
			2700pF	±5%	GRM31A5C2E272JWA1#
			3300pF	±5%	GRM31A5C2E332JWA1#
			3900pF	±5%	GRM31A5C2E392JWA1#
			4700pF	±5%	GRM31A5C2E472JWA1#
			5600pF	±5%	GRM31A5C2E562JWA1#
			6800pF	±5%	GRM31A5C2E682JWA1#
		U2J	2700pF	±5%	GRM31A7U2E272JW31#
			3300pF	±5%	GRM31A7U2E332JW31#
			3900pF	±5%	GRM31A7U2E392JW31#
			4700pF	±5%	GRM31A7U2E472JW31#
			5600pF	±5%	GRM31A7U2E562JW31#
	200Vdc	U2J	2700pF	±5%	GRM31A7U2D272JW31#
			3300pF	±5%	GRM31A7U2D332JW31#
			3900pF	±5%	GRM31A7U2D392JW31#
			4700pF	±5%	GRM31A7U2D472JW31#
			5600pF	±5%	GRM31A7U2D562JW31#
1.25mm	1000Vdc	COG	560pF	±5%	GRM31B5C3A561JWA1#
			680pF	±5%	GRM31B5C3A681JWA1#
		U2J	390pF	±5%	GRM31B7U3A391JW31#
			470pF	±5%	GRM31B7U3A471JW31#
			560pF	±5%	GRM31B7U3A561JW31#
			680pF	±5%	GRM31B7U3A681JW31#
	630Vdc	COG	680pF	±5%	GRM31B5C2J681JW01#
			820pF	±5%	GRM31B5C2J821JW01#
			1000pF	±5%	GRM31B5C2J102JW01#
			2200pF	±5%	GRM31B5C2J222JWA1#
			2700pF	±5%	GRM31B5C2J272JWA1#
		U2J	2700pF	±5%	GRM31B7U2J272JW31#

(→ 3.2×1.6mm)								
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number			
1.25mm		U2J	3300pF	±5%	GRM31B7U2J332JW31#			
	500Vdc	COG	680pF	±5%	GRM31B5C2H681JW01#			
			820pF	±5%	GRM31B5C2H821JW01#			
			1000pF	±5%	GRM31B5C2H102JW01#			
		U2J	2700pF	±5%	GRM31B7U2H272JW31#			
			3300pF	±5%	GRM31B7U2H332JW31#			
	250Vdc	COG	8200pF	±5%	GRM31B5C2E822JWA1#			
			10000pF	±5%	GRM31B5C2E103JWA1#			
			12000pF	±5%	GRM31B5C2E123JWA1#			
		U2J	6800pF	±5%	GRM31B7U2E682JW31#			
			8200pF	±5%	GRM31B7U2E822JW31#			
			10000pF	±5%	GRM31B7U2E103JW31#			
			12000pF	±5%	GRM31B7U2E123JW31#			
	200Vdc	U2J	6800pF	±5%	GRM31B7U2D682JW31#			
			8200pF	±5%	GRM31B7U2D822JW31#			
			10000pF	±5%	GRM31B7U2D103JW31#			
	100Vdc	COG	47000pF	±5%	GRM31M5C2A473JA01#	D1		
			56000pF	±5%	GRM31M5C2A563JA01#	D1		
		СН	47000pF	±5%	GRM31M2C2A473JA01#	D1		
			56000pF	±5%	GRM31M2C2A563JA01#	D1		
	50Vdc	COG	47000pF	±5%	GRM31M5C1H473JA01#			
			56000pF	±5%	GRM31M5C1H563JA01#			
		СН	47000pF	±5%	GRM31M2C1H473JA01#			
			56000pF	±5%	GRM31M2C1H563JA01#			
		SL	68000pF	±5%	GRM31M1X1H683JA01#			
			82000pF	±5%	GRM31M1X1H823JA01#			
			0.10µF	±5%	GRM31M1X1H104JA01#			
		U2J	68000pF	±5%	GRM31M7U1H683JA01#			
			82000pF	±5%	GRM31M7U1H823JA01#			
			0.10µF	±5%	GRM31M7U1H104JA01#			
		UJ	68000pF	±5%	GRM31M3U1H683JA01#			
			82000pF	±5%	GRM31M3U1H823JA01#			
			0.10µF	±5%	GRM31M3U1H104JA01#			
1.8mm	1000Vdc	COG	820pF	±5%	GRM31C5C3A821JWA3#			
			1000pF	±5%	GRM31C5C3A102JWA3#			
		U2J	820pF	±5%	GRM31C7U3A821JW32#			
			1000pF	±5%	GRM31C7U3A102JW32#			
	630Vdc	COG	3300pF	±5%	GRM31C5C2J332JWA3#			
		U2J	3900pF	±5%	GRM31C7U2J392JW32#			
			4700pF	±5%	GRM31C7U2J472JW32#			
	500Vdc	U2J	3900pF	±5%	GRM31C7U2H392JW32#			
		023	4700pF	±5%	GRM31C7U2H472JW32#			
	250Vdc	COG	15000pF	±5%	GRM31C5C2E153JWA3#			
		U2J	15000pF	±5%	GRM31C7U2E153JW32#			
		023	18000pF	±5%	GRM31C7U2E183JW32#			
			22000pF	±5%	GRM31C7U2E223JW32#			
	100Vdc	COG	68000pF	±5%	GRM31C5C2A683JA01#	D1		
	100 vac	Jou	82000pF	±5%	GRM31C5C2A823JA01#	D1		
			0.10µF	±5%	GRM31C5C2A104JA01#	D1		
		СН	68000pF	±5%	GRM31C3C2A104JA01#	D1		
			82000pF	±5%	GRM31C2C2A823JA01#	D1		
			0.10µF	±5%	GRM31C2C2A823JA01#	D1		
	50Vdc	COG	0.10µF 68000pF	±5% ±5%	GRM31C2C2A104JA01#	للك		
	Jovac	Cou	· ·			_		
			82000pF	±5%	GRM31C5C1H823JA01#			

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.8mm	50Vdc	COG	0.10µF	±5%	GRM31C5C1H104JA01#	
		СН	68000pF	±5%	GRM31C2C1H683JA01#	
			82000pF	±5%	GRM31C2C1H823JA01#	
			0.10µF	±5%	GRM31C2C1H104JA01#	
	25Vdc	COG	0.12µF	±5%	GRM31C5C1E124JA01#	
		СН	0.12µF	±5%	GRM31C2C1E124JA01#	
	16Vdc	COG	0.12µF	±5%	GRM31C5C1C124JA01#	
		СН	0.12µF	±5%	GRM31C2C1C124JA01#	

3.2×2.5mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.0mm	2000Vdc	U2J	82pF	±5%	GRM32A7U3D820JW31#	
			100pF	±5%	GRM32A7U3D101JW31#	
			120pF	±5%	GRM32A7U3D121JW31#	
			150pF	±5%	GRM32A7U3D151JW31#	
	630Vdc	U2J	1200pF	±5%	GRM32A7U2J122JW31#	
			1500pF	±5%	GRM32A7U2J152JW31#	
			1800pF	±5%	GRM32A7U2J182JW31#	
			2200pF	±5%	GRM32A7U2J222JW31#	
	500Vdc	U2J	1200pF	±5%	GRM32A7U2H122JW31#	
			1500pF	±5%	GRM32A7U2H152JW31#	
			1800pF	±5%	GRM32A7U2H182JW31#	
			2200pF	±5%	GRM32A7U2H222JW31#	
1.25mm	2000Vdc	U2J	180pF	±5%	GRM32B7U3D181JW31#	
			220pF	±5%	GRM32B7U3D221JW31#	
	1000Vdc	U2J	1200pF	±5%	GRM32B7U3A122JW31#	
	630Vdc	U2J	5600pF	±5%	GRM32B7U2J562JW31#	
	500Vdc	U2J	5600pF	±5%	GRM32B7U2H562JW31#	
1.5mm	1000Vdc	U2J	1500pF	±5%	GRM32Q7U3A152JW31#	
	630Vdc	U2J	6800pF	±5%	GRM32Q7U2J682JW31#	
	500Vdc	U2J	6800pF	±5%	GRM32Q7U2H682JW31#	
	250Vdc	U2J	27000pF	±5%	GRM32Q7U2E273JW31#	
2.0mm	1000Vdc	U2J	1800pF	±5%	GRM32D7U3A182JW31#	
			2200pF	±5%	GRM32D7U3A222JW31#	
	630Vdc	U2J	8200pF	±5%	GRM32D7U2J822JW31#	
			10000pF	±5%	GRM32D7U2J103JW31#	
	500Vdc	U2J	8200pF	±5%	GRM32D7U2H822JW31#	
			10000pF	±5%	GRM32D7U2H103JW31#	
	250Vdc	U2J	33000pF	±5%	GRM32D7U2E333JW31#	
			39000pF	±5%	GRM32D7U2E393JW31#	
			47000pF	±5%	GRM32D7U2E473JW31#	

4.5×2.0mm

	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
	1.0mm	3150Vdc	U2J	10pF	±5%	GRM42A7U3F100JW31#	
				12pF	±5%	GRM42A7U3F120JW31#	
				15pF	±5%	GRM42A7U3F150JW31#	
				18pF	±5%	GRM42A7U3F180JW31#	
				22pF	±5%	GRM42A7U3F220JW31#	
_				27pF	±5%	GRM42A7U3F270JW31#	

(→ 4.5×2.0mm)

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.0mm	3150Vdc	U2J	33pF	±5%	GRM42A7U3F330JW31#	
			39pF	±5%	GRM42A7U3F390JW31#	
			47pF	±5%	GRM42A7U3F470JW31#	
			56pF	±5%	GRM42A7U3F560JW31#	
			68pF	±5%	GRM42A7U3F680JW31#	
			82pF	±5%	GRM42A7U3F820JW31#	
			100pF	±5%	GRM42A7U3F101JW31#	

4.5×3.2mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.5mm	1000Vdc	U2J	2700pF	±5%	GRM43Q7U3A272JW31#
			3300pF	±5%	GRM43Q7U3A332JW31#
	630Vdc	U2J	12000pF	±5%	GRM43Q7U2J123JW31#
	500Vdc	U2J	12000pF	±5%	GRM43Q7U2H123JW31#
2.0mm	1000Vdc	U2J	3900pF	±5%	GRM43D7U3A392JW31#
			4700pF	±5%	GRM43D7U3A472JW31#
	630Vdc	U2J	15000pF	±5%	GRM43D7U2J153JW31#
			18000pF	±5%	GRM43D7U2J183JW31#
			22000pF	±5%	GRM43D7U2J223JW31#
	500Vdc	U2J	15000pF	±5%	GRM43D7U2H153JW31#
			18000pF	±5%	GRM43D7U2H183JW31#
			22000pF	±5%	GRM43D7U2H223JW31#

5.7×5.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.5mm	1000Vdc	U2J	5600pF	±5%	GRM55Q7U3A562JW31#	
			6800pF	±5%	GRM55Q7U3A682JW31#	
	630Vdc	U2J	27000pF	±5%	GRM55Q7U2J273JW31#	
	500Vdc	U2J	27000pF	±5%	GRM55Q7U2H273JW31#	
2.0mm	1000Vdc	U2J	8200pF	±5%	GRM55D7U3A822JW31#	
			10000pF	±5%	GRM55D7U3A103JW31#	
	630Vdc	U2J	33000pF	±5%	GRM55D7U2J333JW31#	
			39000pF	±5%	GRM55D7U2J393JW31#	
			47000pF	±5%	GRM55D7U2J473JW31#	
	500Vdc	U2J	33000pF	±5%	GRM55D7U2H333JW31#	
			39000pF	±5%	GRM55D7U2H393JW31#	
			47000pF	±5%	GRM55D7U2H473JW31#	

$0.4 \times 0.2 \text{mm}$

0.4×0.	2mm				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.22mm	16Vdc	X7R	100pF	±10%	GRM022R71C101KE14#
				±20%	GRM022R71C101ME14#
			150pF	±10%	GRM022R71C151KE14#
				±20%	GRM022R71C151ME14#
			220pF	±10%	GRM022R71C221KE14#
				±20%	GRM022R71C221ME14#
			330pF	±10%	GRM022R71C331KE14#
				±20%	GRM022R71C331ME14#
			470pF	±10%	GRM022R71C471KE14#
				±20%	GRM022R71C471ME14#
			1000pF	±10%	GRM022R71C102KE14#
				±20%	GRM022R71C102ME14#
	10Vdc	X7R	100pF	±10%	GRM022R71A101KA01#
				±20%	GRM022R71A101MA01#
			150pF	±10%	GRM022R71A151KA01#
				±20%	GRM022R71A151MA01#
			220pF	±10%	GRM022R71A221KA01#
				±20%	GRM022R71A221MA01#
			330pF	±10%	GRM022R71A331KA01#
				±20%	GRM022R71A331MA01#
			470pF	±10%	GRM022R71A471KA01#
				±20%	GRM022R71A471MA01#
			680pF	±10%	GRM022R71A681KA12#
			222 5	±20%	GRM022R71A681MA12#
			820pF	±10%	GRM022R71A821KA12#
			1000.5	±20%	GRM022R71A821MA12#
			1000pF	±10%	GRM022R71A102KA12#
		X5R	10055	±20%	GRM022R71A102MA12#
		ASK	100pF	±10% ±20%	GRM022R61A101KA01# GRM022R61A101MA01#
			150pF	±10%	GRM022R61A151KA01#
			130рі	±20%	GRM022R61A151MA01#
			220pF	±10%	GRM022R61A221KA01#
			ZZOPI	±20%	GRM022R61A221MA01#
			330pF	±10%	GRM022R61A331KA01#
			ЗЗОРІ	±20%	GRM022R61A331MA01#
			470pF	±10%	GRM022R61A471KA01#
				±20%	GRM022R61A471MA01#
			680pF	±10%	GRM022R61A681KE19#
				±20%	GRM022R61A681ME19#
			1000pF	±10%	GRM022R61A102KE19#
			·	±20%	GRM022R61A102ME19#
			1500pF	±10%	GRM022R61A152KE19#
			'	±20%	GRM022R61A152ME19#
			2200pF	±10%	GRM022R61A222KE19#
				±20%	GRM022R61A222ME19#
			3300pF	±10%	GRM022R61A332KE19#
				±20%	GRM022R61A332ME19#
			4700pF	±10%	GRM022R61A472KE19#
				±20%	GRM022R61A472ME19#
			6800pF	±10%	GRM022R61A682KE19#
				±20%	GRM022R61A682ME19#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	10Vdc	X5R	10000pF	±10%	GRM022R61A103KE19#	
				±20%	GRM022R61A103ME19#	
		В	100pF	±10%	GRM022B11A101KA01#	
				±20%	GRM022B11A101MA01#	
			150pF	±10%	GRM022B11A151KA01#	
				±20%	GRM022B11A151MA01#	
			220pF	±10%	GRM022B11A221KA01#	
				±20%	GRM022B11A221MA01#	
			330pF	±10%	GRM022B11A331KA01#	
				±20%	GRM022B11A331MA01#	
			470pF	±10%	GRM022B11A471KA01#	
				±20%	GRM022B11A471MA01#	
			680pF	±10%	GRM022B31A681KE19#	
				±20%	GRM022B31A681ME19#	
			1000pF	±10%	GRM022B31A102KE19#	
				±20%	GRM022B31A102ME19#	
			1500pF	±10%	GRM022B31A152KE19#	
				±20%	GRM022B31A152ME19#	
			2200pF	±10%	GRM022B31A222KE19#	
				±20%	GRM022B31A222ME19#	
			3300pF	±10%	GRM022B31A332KE19#	
				±20%	GRM022B31A332ME19#	
			4700pF	±10%	GRM022B31A472KE19#	
				±20%	GRM022B31A472ME19#	
			6800pF	±10%	GRM022B31A682KE19#	
				±20%	GRM022B31A682ME19#	
			10000pF	±10%	GRM022B31A103KE19#	
				±20%	GRM022B31A103ME19#	
	6.3Vdc	X5R	1000pF	±20%	GRM022R60J102ME19#	
			1500pF	±20%	GRM022R60J152ME19#	
			2200pF	±20%	GRM022R60J222ME19#	
			3300pF	±20%	GRM022R60J332ME19#	
			4700pF	±20%	GRM022R60J472ME19#	
			6800pF	±20%	GRM022R60J682ME19#	
			10000pF	±20%	GRM022R60J103ME19#	
			15000pF	±20%	GRM022R60J153ME15#	D1
			22000pF	±10%	GRM022R60J223KE15#	D1
				±20%	GRM022R60J223ME15#	D1
			33000pF	±20%	GRM022R60J333ME15#	D1
			47000pF	±20%	GRM022R60J473ME15#	D1
			68000pF	±20%	GRM022R60J683ME15#	D1
			0.10µF	±20%	GRM022R60J104ME15#	D1
		В	1000pF	±20%	GRM022B30J102ME19#	
			1500pF	±20%	GRM022B30J152ME19#	
			2200pF	±20%	GRM022B30J222ME19#	
			3300pF	±20%	GRM022B30J332ME19#	
			4700pF	±20%	GRM022B30J472ME19#	
			6800pF	±20%	GRM022B30J682ME19#	
			10000pF	±20%	GRM022B30J103ME19#	
	4Vdc	Х6Т	0.10µF	±20%	GRM022D80G104ME15#	D1
		X5R	15000pF	±10%	GRM022R60G153KE15#	
				±20%	GRM022R60G153ME15#	
			22000pF	±10%	GRM022R60G223KE15#	
				±20%	GRM022R60G223ME15#	
			Part num	bor # indi	catos the package specification	

(→ 0.4×0.2mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	4Vdc	X5R	33000pF	±10%	GRM022R60G333KE15#	
				±20%	GRM022R60G333ME15#	
			47000pF	±10%	GRM022R60G473KE15#	
				±20%	GRM022R60G473ME15#	
			68000pF	±20%	GRM022R60G683ME15#	
			0.10µF	±20%	GRM022R60G104ME15#	
	2.5Vdc	х6Т	0.10µF	±20%	GRM022D80E104ME15#	

0.6×0.	3mm					
т	Rated	тс				
max.	Voltage	Code	Cap.	Tol.	Part Number	
0.33mm	50Vdc	X7R	100pF	±10%	GRM033R71H101KA12#	
				±20%	GRM033R71H101MA12#	
			150pF	±10%	GRM033R71H151KA12#	
				±20%	GRM033R71H151MA12#	
			220pF	±10%	GRM033R71H221KA12#	
				±20%	GRM033R71H221MA12#	
			330pF	±10%	GRM033R71H331KA12#	
				±20%	GRM033R71H331MA12#	
			470pF	±10%	GRM033R71H471KA12#	
				±20%	GRM033R71H471MA12#	
			680pF	±10%	GRM033R71H681KA12#	
				±20%	GRM033R71H681MA12#	
			1000pF	±10%	GRM033R71H102KA12#	
				±20%	GRM033R71H102MA12#	
			1500pF	±10%	GRM033R71H152KA12#	
				±20%	GRM033R71H152MA12#	
		X5R	470pF	±10%	GRM033R61H471KA12#	
		В	100pF	±10%	GRM033B31H101KA12#	
				±20%	GRM033B31H101MA12#	
			150pF	±10%	GRM033B31H151KA12#	
				±20%	GRM033B31H151MA12#	
			220pF	±10%	GRM033B31H221KA12#	
				±20%	GRM033B31H221MA12#	
			330pF	±10%	GRM033B31H331KA12#	
				±20%	GRM033B31H331MA12#	
			470pF	±10%	GRM033B31H471KA12#	
				±20%	GRM033B31H471MA12#	
			680pF	±10%	GRM033B31H681KA12#	
				±20%	GRM033B31H681MA12#	
			1000pF	±10%	GRM033B31H102KA12#	
				±20%	GRM033B31H102MA12#	
			1500pF	±10%	GRM033B31H152KA12#	
				±20%	GRM033B31H152MA12#	
	35Vdc	X5R	0.10µF	±10%	GRM033R6YA104KE14#	D1
				±20%	GRM033R6YA104ME14#	D1
	25Vdc	X7R	1000pF	±10%	GRM033R71E102KA01#	
			1500pF	±10%	GRM033R71E152KA01#	
			2200pF	±10%	GRM033R71E222KA12#	
				±20%	GRM033R71E222MA12#	
			3300pF	±10%	GRM033R71E332KA12#	
				±20%	GRM033R71E332MA12#	
			4700pF	±10%	GRM033R71E472KE14#	D1

max.	Voltage	Code	Cap.	Tol.	Part Number	
0.33mm	25Vdc	X7R	4700pF	±20%	GRM033R71E472ME14#	D1
			6800pF	±10%	GRM033R71E682KE14#	D1
				±20%	GRM033R71E682ME14#	D1
			10000pF	±10%	GRM033R71E103KE14#	D1
				±20%	GRM033R71E103ME14#	D1
		R	100pF	±10%	GRM033R11E101KA01#	
			150pF	±10%	GRM033R11E151KA01#	
			220pF	±10%	GRM033R11E221KA01#	
			330pF	±10%	GRM033R11E331KA01#	
			470pF	±10%	GRM033R11E471KA01#	
			680pF	±10%	GRM033R11E681KA01#	
			1000pF	±10%	GRM033R11E102KA01#	
			1500pF	±10%	GRM033R11E152KA01#	
		X6S	0.10µF	±10%	GRM033C81E104KE14#	D1
				±20%	GRM033C81E104ME14#	D1
		X5R	4700pF	±10%	GRM033R61E472KA12#	D1
				±20%	GRM033R61E472MA12#	D1
			6800pF	±10%	GRM033R61E682KA12#	D1
				±20%	GRM033R61E682MA12#	D1
			10000pF	±10%	GRM033R61E103KA12#	D1
				±20%	GRM033R61E103MA12#	D1
			0.10µF	±10%	GRM033R61E104KE14#	
				±20%	GRM033R61E104ME14#	
		В	1000pF	±10%	GRM033B11E102KA01#	
				±20%	GRM033B11E102MA01#	
			1500pF	±10%	GRM033B11E152KA01#	
				±20%	GRM033B11E152MA01#	
			2200pF	±10%	GRM033B31E222KA12#	
				±20%	GRM033B31E222MA12#	
			3300pF	±10%	GRM033B31E332KA12#	
				±20%	GRM033B31E332MA12#	
			10000pF	±10%	GRM033B31E103KA12#	D1
				±20%	GRM033B31E103MA12#	D1
	16Vdc	X7R	2200pF	±10%	GRM033R71C222KA88#	
			3300pF	±10%	GRM033R71C332KA88#	
			4700pF	±10%	GRM033R71C472KE14#	
				±20%	GRM033R71C472ME14#	
			6800pF	±10%	GRM033R71C682KE14#	
				±20%	GRM033R71C682ME14#	_
			10000pF	±10%	GRM033R71C103KE14#	<u> </u>
				±20%	GRM033R71C103ME14#	_
		X7S	0.10µF	±10%	GRM033C71C104KE14#	D1
				±20%	GRM033C71C104ME14#	D1
		R	2200pF	±10%	GRM033R11C222KA88#	<u> </u>
			3300pF	±10%	GRM033R11C332KA88#	
		X6S	0.10µF	±10%	GRM033C81C104KE14#	
				±20%	GRM033C81C104ME14#	
		X5R	10000pF	±10%	GRM033R61C103KA12#	
				±20%	GRM033R61C103MA12#	_
			15000pF	±10%	GRM033R61C153KE84#	D1
				±20%	GRM033R61C153ME84#	=
			22000pF	±10%	GRM033R61C223KE84#	D1
				±20%	GRM033R61C223ME84#	=
			33000pF	±10%	GRM033R61C333KE84#	D1
			Part num	ber#indi	cates the package specification	ı code.

(→ 0.6×	0.3mm	1)				
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.33mm	16Vdc	X5R	33000pF	±20%	GRM033R61C333ME84#	D1
			47000pF	±10%	GRM033R61C473KE84#	D1
				±20%	GRM033R61C473ME84#	D1
			68000pF	±10%	GRM033R61C683KE84#	D1
				±20%	GRM033R61C683ME84#	D1
			0.10µF	±10%	GRM033R61C104KE14#	
				±20%	GRM033R61C104ME14#	
		В	2200pF	±10%	GRM033B31C222KA87#	
				±20%	GRM033B31C222MA87#	
			3300pF	±10%	GRM033B31C332KA87#	
				±20%	GRM033B31C332MA87#	
			10000pF	±10%	GRM033B31C103KA12#	
				±20%	GRM033B31C103MA12#	
			15000pF	±10%	GRM033B31C153KE84#	D1
				±20%	GRM033B31C153ME84#	D1
			22000pF	±10%	GRM033B31C223KE84#	D1
				±20%	GRM033B31C223ME84#	D1
			33000pF	±10%	GRM033B31C333KE84#	D1
				±20%	GRM033B31C333ME84#	D1
			47000pF	±10%	GRM033B31C473KE84#	D1
				±20%	GRM033B31C473ME84#	D1
			68000pF	±10%	GRM033B31C683KE84#	D1
				±20%	GRM033B31C683ME84#	D1
			0.10µF	±10%	GRM033B31C104KE84#	D1
				±20%	GRM033B31C104ME84#	D1
	10Vdc	X7R	4700pF	±10%	GRM033R71A472KA01#	
				±20%	GRM033R71A472MA01#	
			6800pF	±10%	GRM033R71A682KA01#	
		X7S		±20%	GRM033R71A682MA01#	
			10000pF	±10%	GRM033R71A103KA01#	
				±20%	GRM033R71A103MA01#	
			0.10µF	±10%	GRM033C71A104KE14#	
				±20%	GRM033C71A104ME14#	
			4700pF	±10%	GRM033R11A472KA01#	
				±20%	GRM033R11A472MA01#	
			6800pF	±10%	GRM033R11A682KA01#	
				±20%	GRM033R11A682MA01#	
			10000pF	±10%	GRM033R11A103KA01#	
				±20%	GRM033R11A103MA01#	
		X5R	4700pF	±10%	GRM033R61A472KA01#	
				±20%	GRM033R61A472MA01#	
			6800pF	±10%	GRM033R61A682KA01#	
				±20%	GRM033R61A682MA01#	
			15000pF	±10%	GRM033R61A153KE84#	
			22625	±20%	GRM033R61A153ME84#	
			22000pF	±10%	GRM033R61A223KE84#	
			22002 -	±20%	GRM033R61A223ME84#	
			33000pF	±10%	GRM033R61A333KE84#	
			47655	±20%	GRM033R61A333ME84#	
			47000pF	±10%	GRM033R61A473KE84#	
				±20%	GRM033R61A473ME84#	
			68000pF	±10%	GRM033R61A683KE84#	
			0.10.5	±20%	GRM033R61A683ME84#	
			0.10µF	±10%	GRM033R61A104KE84#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.33mm	10Vdc	X5R	0.10µF	±20%	GRM033R61A104ME84#	
			0.22µF	±20%	GRM033R61A224ME90#	D1
		В	4700pF	±10%	GRM033B11A472KA01#	
				±20%	GRM033B11A472MA01#	
			6800pF	±10%	GRM033B11A682KA01#	
				±20%	GRM033B11A682MA01#	
			15000pF	±10%	GRM033B31A153KE84#	
				±20%	GRM033B31A153ME84#	
			22000pF	±10%	GRM033B31A223KE84#	
				±20%	GRM033B31A223ME84#	
			33000pF	±10%	GRM033B31A333KE84#	
				±20%	GRM033B31A333ME84#	
			47000pF	±10%	GRM033B31A473KE84#	
				±20%	GRM033B31A473ME84#	
			68000pF	±10%	GRM033B31A683KE84#	
				±20%	GRM033B31A683ME84#	
			0.10µF	±10%	GRM033B31A104KE84#	
				±20%	GRM033B31A104ME84#	
	6.3Vdc	X7R	4700pF	±10%	GRM033R70J472KA01#	
			6800pF	±10%	GRM033R70J682KA01#	
			10000pF	±10%	GRM033R70J103KA01#	
		R	4700pF	±10%	GRM033R10J472KA01#	
			6800pF	±10%	GRM033R10J682KA01#	
			10000pF	±10%	GRM033R10J103KA01#	
		X6S	15000pF	±10%	GRM033C80J153KE01#	
				±20%	GRM033C80J153ME01#	
			22000pF	±10%	GRM033C80J223KE01#	
				±20%	GRM033C80J223ME01#	
			33000pF	±10%	GRM033C80J333KE01#	
				±20%	GRM033C80J333ME01#	
			47000pF	±10%	GRM033C80J473KE19#	
				±20%	GRM033C80J473ME19#	
			68000pF	±10%	GRM033C80J683KE84#	D1
				±20%	GRM033C80J683ME84#	D1
			0.10µF	±10%	GRM033C80J104KE84#	D1
				±20%	GRM033C80J104ME84#	D1
			0.22µF	±20%	GRM033C80J224ME90#	D1
		X5R	0.22µF	±20%	GRM033R60J224ME90#	
		В	4700pF	±10%	GRM033B10J472KA01#	
			6800pF	±10%	GRM033B10J682KA01#	
			15000pF	±10%	GRM033B10J153KE01#	
				±20%	GRM033B10J153ME01#	
			22000pF	±10%	GRM033B10J223KE01#	
				±20%	GRM033B10J223ME01#	
			33000pF	±10%	GRM033B10J333KE01#	
				±20%	GRM033B10J333ME01#	
	4Vdc	X6S	0.22µF	±20%	GRM033C80G224ME90#	

1.0×0.5mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.22mm	10Vdc	X5R	0.10µF	±10%	GRM152R61A104KE19#	D1
				±20%	GRM152R61A104ME19#	D1

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(→ 1.0×0.5mm)

(→ 1.0;	O.SIMI	'				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.22mm	10Vdc	X5R	0.22µF	±10%	GRM152R61A224KE19#	D1
				±20%	GRM152R61A224ME19#	D1
		В	0.10µF	±10%	GRM152B31A104KE19#	D1
				±20%	GRM152B31A104ME19#	D1
			0.22µF	±10%	GRM152B31A224KE19#	D1
				±20%	GRM152B31A224ME19#	D1
	6.3Vdc	X6S	0.10µF	±10%	GRM152C80J104KE19#	D1
				±20%	GRM152C80J104ME19#	D1
			0.22µF	±10%	GRM152C80J224KE19#	D1
				±20%	GRM152C80J224ME19#	D1
		X5R	0.10µF	±10%	GRM152R60J104KE19#	
				±20%	GRM152R60J104ME19#	
			0.22µF	±10%	GRM152R60J224KE19#	
				±20%	GRM152R60J224ME19#	<u> </u>
			0.47µF	±20%	GRM152R60J474ME15#	D1
			1.0µF	±20%	GRM152R60J105ME15#	D1
		В	0.10µF	±10%	GRM152B30J104KE19#	<u> </u>
				±20%	GRM152B30J104ME19#	<u> </u>
			0.22µF	±10%	GRM152B30J224KE19#	
				±20%	GRM152B30J224ME19#	<u> </u>
			0.47µF	±20%	GRM152B30J474ME15#	D1
	4Vdc	X7T	0.10µF	±10%	GRM152D70G104KE15#	D1
				±20%	GRM152D70G104ME15#	=
			0.22µF	±10%	GRM152D70G224KE15#	
				±20%	GRM152D70G224ME15#	D1
		X6S	0.10µF	±10%	GRM152C80G104KE19#	
			000 5	±20%	GRM152C80G104ME19#	_
			0.22µF	±10%	GRM152C80G224KE19#	_
		VCT	0.475	±20%	GRM152C80G224ME19#	_
		X6T	0.47µF	±20%	GRM152D80G474ME15#	
		VED	1.0µF	±20%	GRM152D80G105ME15#	سا
	2 5Vdc	X5R X7T	1.0µF	±20% ±10%	GRM152R60G105ME15# GRM152D70E104KE19#	_
	2.5 vuc	^/ 1	0.10µF	±10%	GRM152D70E104RE19#	-
			0.22µF	±10%	GRM152D70E224KE19#	-
			0.22µi	±20%	GRM152D70E224ME19#	_
0.3mm	50Vdc	X7R	220pF	±10%	GRM15XR71H221KA86#	
0.511111	Jovac	XIII	330pF	±10%	GRM15XR71H331KA86#	
			470pF	±10%	GRM15XR71H471KA86#	_
			680pF	±10%	GRM15XR71H681KA86#	_
			1000pF	±10%	GRM15XR71H102KA86#	
			1500pF	±10%	GRM15XR71H152KA86#	
		R	220pF	±10%	GRM15XR11H221KA86#	
			330pF	±10%	GRM15XR11H331KA86#	
			470pF	±10%	GRM15XR11H471KA86#	
			680pF	±10%	GRM15XR11H681KA86#	
			1000pF	±10%	GRM15XR11H102KA86#	
			1500pF	±10%	GRM15XR11H152KA86#	
		В	220pF	±10%	GRM15XB11H221KA86#	
				±20%	GRM15XB11H221MA86#	
			330pF	±10%	GRM15XB11H331KA86#	
				±20%	GRM15XB11H331MA86#	
			470pF	±10%	GRM15XB11H471KA86#	
				±20%	GRM15XB11H471MA86#	
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	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.3mm	50Vdc	В	680pF	±10%	GRM15XB11H681KA86#	
				±20%	GRM15XB11H681MA86#	
			1000pF	±10%	GRM15XB11H102KA86#	
				±20%	GRM15XB11H102MA86#	
			1500pF	±10%	GRM15XB11H152KA86#	
				±20%	GRM15XB11H152MA86#	
	25Vdc	X7R	2200pF	±10%	GRM15XR71E222KA86#	
				±20%	GRM15XR71E222MA86#	
		В	2200pF	±10%	GRM15XB11E222KA86#	
				±20%	GRM15XB11E222MA86#	
	16Vdc	X7R	3300pF	±10%	GRM15XR71C332KA86#	
				±20%	GRM15XR71C332MA86#	
			4700pF	±10%	GRM15XR71C472KA86#	
				±20%	GRM15XR71C472MA86#	
			6800pF	±10%	GRM15XR71C682KA86#	
			овоорг	±10%	GRM15XR71C682MA86#	
			100005	±10%	GRM15XR71C103KA86#	
			10000pF			
				±20%	GRM15XR71C103MA86#	
		В	3300pF	±10%	GRM15XB11C332KA86#	
				±20%	GRM15XB11C332MA86#	
			4700pF	±10%	GRM15XB11C472KA86#	
				±20%	GRM15XB11C472MA86#	
			6800pF	±10%	GRM15XB11C682KA86#	
				±20%	GRM15XB11C682MA86#	
			10000pF	±10%	GRM15XB11C103KA86#	
				±20%	GRM15XB11C103MA86#	
	10Vdc	X5R	15000pF	±10%	GRM15XR61A153KA86#	
				±20%	GRM15XR61A153MA86#	
			22000pF	±10%	GRM15XR61A223KA86#	
				±20%	GRM15XR61A223MA86#	
			33000pF	±10%	GRM15XR61A333KA86#	
			33000pF	±10%	GRM15XR61A333KA86# GRM15XR61A333MA86#	
0.33mm	10Vdc	X5R		±20%	GRM15XR61A333MA86#	DX
0.33mm	10Vdc	X5R B	1.0µF	±20% ±20%	GRM15XR61A333MA86# GRM153R61A105ME95#	
0.33mm		В	1.0μF 1.0μF	±20% ±20% ±20%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95#	D1
0.33mm	10Vdc 6.3Vdc	B X6T	1.0µF 1.0µF 1.0µF	±20% ±20% ±20% ±20%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153D80J105ME95#	D1
0.33mm		B X6T X5R	1.0µF 1.0µF 1.0µF	±20% ±20% ±20% ±20%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153D80J105ME95# GRM153R60J105ME95#	D1
0.33mm	6.3Vdc	B X6T X5R B	1.0µF 1.0µF 1.0µF 1.0µF	±20% ±20% ±20% ±20% ±20%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153D80J105ME95# GRM153R60J105ME95# GRM153B30J105ME95#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF	±20% ±20% ±20% ±20% ±20% ±20%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153D80J105ME95# GRM153R60J105ME95# GRM153B30J105ME95# GRM153B30J105ME95#	D1
	6.3Vdc	B X6T X5R B	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF	±20% ±20% ±20% ±20% ±20% ±20% ±20%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153D80J105ME95# GRM153R60J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 2.0µF	±20% ±20% ±20% ±20% ±20% ±20% ±10%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155D80G105ME95# GRM155R72A221KA01#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 2.20pF 330pF 470pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B80J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A681KA01#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01#	
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B80J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A681KA01#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A681KA01# GRM155R72A681KA01#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10% ±10%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A102KA01# GRM155R72A102KA01# GRM155R72A152KA01#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF 1500pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10% ±10% ±10%	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A681KA01# GRM155R72A102KA01# GRM155R72A152KA01# GRM155R72A152KA01#	D1
	6.3Vdc	B X6T X5R B X6T	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF 1500pF 2200pF 3300pF	±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±1	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153D80J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A681KA01# GRM155R72A102KA01# GRM155R72A152KA01# GRM155R72A132KA01# GRM155R72A332KA01#	D1
	6.3Vdc 4Vdc 100Vdc	B X6T X5R B X6T X7R	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF 1500pF 2200pF 3300pF 4700pF	±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±1	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A681KA01# GRM155R72A102KA01# GRM155R72A152KA01# GRM155R72A152KA01# GRM155R72A332KA01# GRM155R72A332KA01# GRM155R72A332KA01#	D1
	6.3Vdc 4Vdc 100Vdc	B X6T X5R B X6T X7R	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF 1500pF 2200pF 3300pF 4700pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±1	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A102KA01# GRM155R72A102KA01# GRM155R72A152KA01# GRM155R72A332KA01# GRM155R72A332KA01# GRM155R72A472KA01# GRM155R72A472KA01# GRM155R72A472KA01#	D1
	6.3Vdc 4Vdc 100Vdc	B X6T X5R B X6T X7R	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF 1500pF 2200pF 3300pF 4700pF 220pF 330pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±1	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A102KA01# GRM155R72A102KA01# GRM155R72A332KA01# GRM155R72A332KA01# GRM155R72A332KA01# GRM155R72A472KA01# GRM155R72A472KA01# GRM155R71H221KA01# GRM155R71H221KA01#	D1
	6.3Vdc 4Vdc 100Vdc	B X6T X5R B X6T X7R	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 680pF 1000pF 1500pF 2200pF 3300pF 4700pF 220pF 330pF 470pF	±20% ±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±1	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A102KA01# GRM155R72A102KA01# GRM155R72A332KA01# GRM155R72A332KA01# GRM155R72A472KA01# GRM155R72A472KA01# GRM155R71H331KA01# GRM155R71H331KA01# GRM155R71H471KA01#	D1
	6.3Vdc 4Vdc 100Vdc	B X6T X5R B X6T X7R	1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 1.0µF 220pF 330pF 470pF 1500pF 1500pF 2200pF 3300pF 4700pF 4700pF 4700pF 4700pF 680pF	±20% ±20% ±20% ±20% ±20% ±10% ±10% ±10% ±10% ±10% ±10% ±10% ±1	GRM15XR61A333MA86# GRM153R61A105ME95# GRM153B31A105ME95# GRM153D80J105ME95# GRM153B30J105ME95# GRM153D80G105ME95# GRM153D80G105ME95# GRM155R72A221KA01# GRM155R72A331KA01# GRM155R72A471KA01# GRM155R72A681KA01# GRM155R72A102KA01# GRM155R72A152KA01# GRM155R72A332KA01# GRM155R72A472KA01# GRM155R72A472KA01# GRM155R71A332KA01# GRM155R71A331KA01# GRM155R71H471KA01# GRM155R71H471KA01# GRM155R71H471KA01# GRM155R71H4681KA01#	D1

(→ 1.0;	،0.5mm	1)			
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
0.55mm	50Vdc	X7R	3300pF	±10%	GRM155R71H332KA01#
			4700pF	±10%	GRM155R71H472KA01#
			6800pF	±10%	GRM155R71H682KA88#
			10000pF	±10%	GRM155R71H103KA88#
			15000pF	±10%	GRM155R71H153KA12#
			22000pF	±10%	GRM155R71H223KA12#
			33000pF	±10%	GRM155R71H333KE14#
				±20%	GRM155R71H333ME14#
			47000pF	±10%	GRM155R71H473KE14#
				±20%	GRM155R71H473ME14#
			68000pF	±10%	GRM155R71H683KE14#
				±20%	GRM155R71H683ME14#
			0.10µF	±10%	GRM155R71H104KE14#
				±20%	GRM155R71H104ME14#
		R	220pF	±10%	GRM155R11H221KA01#
			330pF	±10%	GRM155R11H331KA01#
			470pF	±10%	GRM155R11H471KA01#
			680pF	±10%	GRM155R11H681KA01#
			1000pF	±10%	GRM155R11H102KA01#
			1500pF	±10%	GRM155R11H152KA01#
			2200pF	±10%	GRM155R11H222KA01#
			3300pF	±10%	GRM155R11H332KA01#
			4700pF	±10%	GRM155R11H472KA01#
			6800pF	±10%	GRM155R11H682KA88#
			10000pF	±10%	GRM155R11H103KA88#
		X6S	33000pF	±10%	GRM155C81H333KE14#
		7.03	ЗЗОСОРІ	±20%	GRM155C81H333ME14#
			47000pF	±10%	GRM155C81H473KE14#
			- 1000рг	±20%	GRM155C81H473ME14#
			68000pF	±10%	GRM155C81H683KE14#
			ососорі	±20%	GRM155C81H683ME14#
		X5R	33000pF	±10%	GRM155R61H333KE14#
			ЗЗОСОРІ	±20%	GRM155R61H333ME14#
			47000pF	±10%	GRM155R61H473KE14#
			- 1000рг	±20%	GRM155R61H473ME14#
			68000pF	±10%	GRM155R61H683KE14#
			Обоборі		
			0.1005	±20% ±10%	GRM155R61H683ME14# GRM155R61H104KE14#
			0.10µF	±10% ±20%	GRM155R61H104KE14#
		В	220nE		GRM155B11H221KA01#
			220pF	±10%	GRM155B11H221KA01#
			22055	±20%	
			330pF	±10%	GRM155B11H331KA01#
			470.5	±20%	GRM155B11H331MA01#
			470pF	±10%	GRM155B11H471KA01#
			600.5	±20%	GRM155B11H471MA01#
			680pF	±10%	GRM155B11H681KA01#
			1005 5	±20%	GRM155B11H681MA01#
			1000pF	±10%	GRM155B11H102KA01#
				±20%	GRM155B11H102MA01#
			1500pF	±10%	GRM155B11H152KA01#
				±20%	GRM155B11H152MA01#
			2200pF	±10%	GRM155B11H222KA01#
				±20%	GRM155B11H222MA01#
			3300pF	±10%	GRM155B11H332KA01#

T nax.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
55mm	50Vdc	В	3300pF	±20%	GRM155B11H332MA01#	
			4700pF	±10%	GRM155B11H472KA01#	
				±20%	GRM155B11H472MA01#	_
			6800pF	±10%	GRM155B31H682KA88#	
			10000.5	±20%	GRM155B31H682MA88#	
			10000pF	±10%	GRM155B31H103KA88# GRM155B31H103MA88#	_
			15000pF	±20%	GRM155B31H153KA12#	
			13000рг	±10%	GRM155B31H153MA12#	
			22000pF	±10%	GRM155B31H223KA12#	
			22000р.	±20%	GRM155B31H223MA12#	
			0.10µF	±10%	GRM155B31H104KE14#	
			0.20p.	±20%	GRM155B31H104ME14#	
	35Vdc	X6S	0.22µF	±10%	GRM155C8YA224KE01#	D1
				±20%	GRM155C8YA224ME01#	=
		X5R	0.22µF	±10%	GRM155R6YA224KE01#	D1
				±20%	GRM155R6YA224ME01#	D1
			0.47µF	±10%	GRM155R6YA474KE01#	D1
				±20%	GRM155R6YA474ME01#	D1
	25Vdc	X7R	2200pF	±10%	GRM155R71E222KA01#	
			10000pF	±10%	GRM155R71E103KA01#	
			15000pF	±10%	GRM155R71E153KA61#	
			22000pF	±10%	GRM155R71E223KA61#	
			33000pF	±10%	GRM155R71E333KA88#	
			47000pF	±10%	GRM155R71E473KA88#	
			68000pF	±10%	GRM155R71E683KE14#	
				±20%	GRM155R71E683ME14#	
			0.10µF	±10%	GRM155R71E104KE14#	
				±20%	GRM155R71E104ME14#	
		R	6800pF	±10%	GRM155R11E682KA01#	
			10000pF	±10%	GRM155R11E103KA01#	
			15000pF	±10%	GRM155R11E153KA61#	
			22000pF	±10%	GRM155R11E223KA61#	
			33000pF	±10%	GRM155R11E333KA88#	
		V66	47000pF	±10%	GRM155R11E473KA88#	
		X6S	0.22µF	±10%	GRM155C81E224KE01#	_
		X5R	690005	±20%	GRM155C81E224ME01#	
		ASK	68000pF	±10%	GRM155R61E683KA87# GRM155R61E683MA87#	
			0.10µF	±10%	GRM155R61E104KA87#	
			0.10µ	±20%	GRM155R61E104MA87#	
			0.22µF	±10%	GRM155R61E224KE01#	
			0.22p.	±20%	GRM155R61E224ME01#	
			0.47µF	±10%	GRM155R61E474KE01#	
			1.0µF	±10%	GRM155R61E105KA12#	D1
			'	±20%	GRM155R61E105MA12#	D1
		В	2200pF	±10%	GRM155B11E222KA01#	_
			10000pF	±10%	GRM155B11E103KA01#	
				±20%	GRM155B11E103MA01#	
			15000pF	±10%	GRM155B11E153KA61#	
				±20%	GRM155B11E153MA61#	
			22000pF	±10%	GRM155B11E223KA61#	
				±20%	GRM155B11E223MA61#	
			33000pF	±10%	GRM155B31E333KA87#	

GA2

(→ 1.0×0.5mm)

GRM Series High Dielectric Constant Type Part Number List

(→ 1.0>	0.5mm،)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	25Vdc	В	33000pF	±20%	GRM155B31E333MA87#	
			47000pF	±10%	GRM155B31E473KA87#	
				±20%	GRM155B31E473MA87#	
			68000pF	±10%	GRM155B31E683KA87#	
				±20%	GRM155B31E683MA87#	
			0.10µF	±10%	GRM155B31E104KA87#	
				±20%	GRM155B31E104MA87#	
			1.0µF	±10%	GRM155B31E105KA12#	D1
				±20%	GRM155B31E105MA12#	D1
	16Vdc	X7R	4700pF	±10%	GRM155R71C472KA01#	
			10000pF	±10%	GRM155R71C103KA01#	
				±20%	GRM155R71C103MA01#	
			68000pF	±10%	GRM155R71C683KA88#	
			0.15µF	±10%	GRM155R71C154KA12#	
			0.22µF	±10%	GRM155R71C224KA12#	
		R	68000pF	±10%	GRM155R11C683KA88#	
		X6S	0.47µF	±10%	GRM155C81C474KE01#	
		/ / /	.	±20%	GRM155C81C474ME01#	
		X5R	0.22µF	±10%	GRM155R61C224KA12#	
		XSIC	0.22μi	±20%	GRM155R61C224MA12#	
			1.0µF	±10%	GRM155R61C105KA12#	
			1.0µ	±20%	GRM155R61C105MA12#	
		В	10000pF	±10%	GRM155B11C103KA01#	
			100000	±10%	GRM155B11C103MA01#	
			1 005		GRM155B31C105KA12#	
			1.0µF	±10%	GRM155B31C105KA12#	
	10Vdc	X7R	0.225			
	10000	X/R	0.22µF	±10%	GRM155R71A224KE01#	
			0.475		GRM155R71A224ME01#	
			0.47µF	±10%	GRM155R71A474KE01#	
		V.C.C	10.5	±20%	GRM155R71A474ME01#	
		X6S	1.0µF	±10%	GRM155C81A105KA12#	
			22222 5	±20%	GRM155C81A105MA12#	
		X5R	33000pF	±10%	GRM155R61A333KA01#	
			0.10µF	±10%	GRM155R61A104KA01#	
				±20%	GRM155R61A104MA01#	
			0.15µF	±10%	GRM155R61A154KE19#	
				±20%	GRM155R61A154ME19#	
			0.22µF	±10%	GRM155R61A224KE19#	
				±20%	GRM155R61A224ME19#	
			0.33µF	±10%	GRM155R61A334KE15#	
				±20%	GRM155R61A334ME15#	
			0.47µF	±10%	GRM155R61A474KE15#	
				±20%	GRM155R61A474ME15#	
			0.68µF	±10%	GRM155R61A684KE15#	
				±20%	GRM155R61A684ME15#	
			1.0µF	±20%	GRM155R61A105ME01#	
		В	0.15µF	±10%	GRM155B31A154KE18#	
				±20%	GRM155B31A154ME18#	
			0.22µF	±10%	GRM155B31A224KE18#	
				±20%	GRM155B31A224ME18#	
			0.33µF	±10%	GRM155B31A334KE14#	
				±20%	GRM155B31A334ME14#	
			0.47µF	±10%	GRM155B31A474KE14#	
				±20%	GRM155B31A474ME14#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number					
0.55mm	10Vdc	В	0.68µF	±10%	GRM155B31A684KE15#					
				±20%	GRM155B31A684ME15#					
			1.0µF	±20%	GRM155B31A105ME01#					
			2.2µF	±10%	GRM155B31A225KE95#	D				
				±20%	GRM155B31A225ME95#	D				
	6.3Vdc	X7R	1.0µF	±10%	GRM155R70J105KA12#	D				
				±20%	GRM155R70J105MA12#	D				
		X6S	0.22µF	±10%	GRM155C80J224KE01#					
				±20%	GRM155C80J224ME01#					
			2.2µF	±10%	GRM155C80J225KE95#	D				
				±20%	GRM155C80J225ME95#	D				
		X5R	0.10µF	±10%	GRM155R60J104KA01#					
				±20%	GRM155R60J104MA01#					
			0.15µF	±10%	GRM155R60J154KE01#					
				±20%	GRM155R60J154ME01#					
			0.22µF	±10%	GRM155R60J224KE01#					
			·	±20%	GRM155R60J224ME01#					
			0.33µF	±10%	GRM155R60J334KE01#					
				±20%	GRM155R60J334ME01#					
			0.47µF	±10%	GRM155R60J474KE19#					
			о р.	±20%	GRM155R60J474ME19#					
			0.68µF	±10%	GRM155R60J684KE19#					
			0.00µ	±20%	GRM155R60J684ME19#					
			1.0µF	±20%	GRM155R60J105ME19#					
		В								
		В	0.15µF	±10%	GRM155B10J154KE01#	H				
			0.225	±20%	GRM155B10J154ME01#	H				
			0.22µF	±10%	GRM155B10J224KE01#	H				
			0.225	±20%	GRM155B10J224ME01#					
			0.33µF	±10%	GRM155B10J334KE01#					
				0.475	±20%	GRM155B10J334ME01#				
					0.47µF	±10%	GRM155B30J474KE18#			
							0.68µF	±20%	GRM155B30J474ME18#	_
								±10%	GRM155B30J684KE18#	
					±20%	GRM155B30J684ME18#				
									1.0µF	±20%
			2.2µF	±10%	GRM155B30J225KE95#					
				±20%	GRM155B30J225ME95#					
	4Vdc	X7R	1.0µF	±10%	GRM155R70G105KA12#					
				±20%	GRM155R70G105MA12#					
		X6S	0.22µF	±10%	GRM155C80G224KE01#					
				±20%	GRM155C80G224ME01#					
		X5R	1.0µF	±20%	GRM155R60G105ME01#					
0.6mm	50Vdc	X5R	0.47µF	±10%	GRM155R61H474KE11#	D				
	35Vdc	X5R	1.0µF	±10%	GRM155R6YA105KE11#	D				
	25Vdc	X6S	1.0µF	±10%	GRM155C81E105KE11#	D				
				±20%	GRM155C81E105ME11#	D				
	16Vdc	X6S	1.0µF	±10%	GRM155C81C105KE11#					
				±20%	GRM155C81C105ME11#					
	6.3Vdc	X5R	4.7µF	±20%	GRM155R60J475ME47#	D				
		В	4.7µF	±20%	GRM155B30J475ME47#	D				
	4Vdc	X5R	4.7µF	±20%	GRM155R60G475ME47#					
		В	4.7µF	±20%	GRM155B30G475ME47#					
	2.51/1		4.7µF	±20%	GRM155D80E475ME47#	D				
	2.5Vdc	X6T	4.7µr	±20 /6	GIN 1133000E47311E47#					

(→ 1.0×0.5mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.65mm	16Vdc	X7T	2.2µF	±20%	GRM155D71C225ME11#	D1
		X6T	2.2µF	±20%	GRM155D81C225ME11#	
	10Vdc	X7T	2.2µF	±20%	GRM155D71A225ME11#	
		X5R	4.7µF	±20%	GRM155R61A475MEAA#	D1
	6.3Vdc	X6S	4.7µF	±20%	GRM155C80J475MEAA#	D1
0.7mm	25Vdc	X5R	2.2µF	±10%	GRM155R61E225KE11#	
				±20%	GRM155R61E225ME11#	
	16Vdc	X6S X5R	2.2µF	±10%	GRM155C81C225KE11#	
				±20%	GRM155C81C225ME11#	
			2.2µF	±10%	GRM155R61C225KE11#	
				±20%	GRM155R61C225ME11#	
	10Vdc	X7S	2.2µF	±10%	GRM155C71A225KE11#	
				±20%	GRM155C71A225ME11#	
		X6S	2.2µF	±10%	GRM155C81A225KE11#	
				±20%	GRM155C81A225ME11#	
	6.3Vdc	X7S	5 2.2μF	±10%	GRM155C70J225KE11#	
				±20%	GRM155C70J225ME11#	
	4Vdc	X5R	10µF	±20%	GRM155R60G106ME44#	
	2.5Vdc	X5R	10µF	±20%	GRM155R60E106ME16#	

1.6×0.8mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.5mm	25Vdc	X5R	1.0µF	±10%	GRM185R61E105KA12#	D1
				±20%	GRM185R61E105MA12#	D1
		В	1.0µF	±10%	GRM185B31E105KA12#	D1
				±20%	GRM185B31E105MA12#	D1
	16Vdc	X5R	1.0µF	±10%	GRM185R61C105KE44#	
				±20%	GRM185R61C105ME44#	
		В	1.0µF	±10%	GRM185B31C105KE43#	
				±20%	GRM185B31C105ME43#	
	6.3Vdc	X5R	10µF	±20%	GRM185R60J106ME15#	D1
	4Vdc	X5R	10μF	±20%	GRM185R60G106ME15#	
0.55mm	16Vdc	X5R	4.7µF	±10%	GRM185R61C475KE11#	
				±20%	GRM185R61C475ME11#	
	10Vdc	X6S	4.7µF	±10%	GRM185C81A475KE11#	D1
				±20%	GRM185C81A475ME11#	D1
		X5R	4.7µF	±10%	GRM185R61A475KE11#	
				±20%	GRM185R61A475ME11#	
	6.3Vdc	X7T	4.7µF	±20%	GRM185D70J475ME11#	D1
		X6S	4.7µF	±20%	GRM185C80J475ME11#	
0.9mm	250Vdc	X7R	220pF	±10%	GRM188R72E221KW07#	
			330pF	±10%	GRM188R72E331KW07#	
			470pF	±10%	GRM188R72E471KW07#	
			680pF	±10%	GRM188R72E681KW07#	
			1000pF	±10%	GRM188R72E102KW07#	
			1500pF	±10%	GRM188R72E152KW07#	
			2200pF	±10%	GRM188R72E222KW07#	
	200Vdc	X7R	220pF	±10%	GRM188R72D221KW07#	
			330pF	±10%	GRM188R72D331KW07#	
			470pF	±10%	GRM188R72D471KW07#	
			680pF	±10%	GRM188R72D681KW07#	
			1000pF	±10%	GRM188R72D102KW07#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	200Vdc	X7R	1500pF	±10%	GRM188R72D152KW07#	
			2200pF	±10%	GRM188R72D222KW07#	
	25Vdc	X7R	1.0µF	±10%	GRM188R71E105KA12#	
				±20%	GRM188R71E105MA12#	
		X5R	2.2µF	±10%	GRM188R61E225KA12#	
				±20%	GRM188R61E225MA12#	
		В	2.2µF	±10%	GRM188B31E225KA12#	
				±20%	GRM188B31E225MA12#	
	16Vdc	X6S	2.2µF	±10%	GRM188C81C225KA12#	
				±20%	GRM188C81C225MA12#	
		X5R	2.2µF	±10%	GRM188R61C225KE15#	
		В	2.2µF	±10%	GRM188B31C225KE14#	
	10Vdc	X7R	2.2µF	±10%	GRM188R71A225KE15#	
				±20%	GRM188R71A225ME15#	
		X5R	4.7µF	±10%	GRM188R61A475KE15#	D1
				±20%	GRM188R61A475ME15#	D1
	6.3Vdc	X6S	4.7µF	±20%	GRM188C80J475ME15#	D1
		X5R	10µF	±20%	GRM188R60J106ME47#	
		В	10µF	±20%	GRM188B30J106ME47#	
	4Vdc	X5R	10µF	±20%	GRM188R60G106ME47#	
0.95mm	25Vdc	X5R	4.7µF	±10%	GRM188R61E475KE11#	
				±20%	GRM188R61E475ME11#	
	16Vdc	X6S	4.7µF	±10%	GRM188C81C475KE11#	
				±20%	GRM188C81C475ME11#	
		X5R	4.7µF	±10%	GRM188R61C475KE11#	
				±20%	GRM188R61C475ME11#	
			10µF	±10%	GRM188R61C106KAAL#	
				±20%	GRM188R61C106MAAL#	
		В	4.7µF	±10%	GRM188B31C475KAAJ#	D1
				±20%	GRM188B31C475MAAJ#	D1
	10Vdc	X7S	4.7µF	±10%	GRM188C71A475KE11#	
				±20%	GRM188C71A475ME11#	
		X5R	10µF	±10%	GRM188R61A106KAAL#	
				±20%	GRM188R61A106MAAL#	_
		В	10μF	±20%	GRM188B31A106ME69#	D1
1.0mm	50Vdc	X5R	2.2µF	±10%	GRM188R61H225KE11#	
				±20%	GRM188R61H225ME11#	
	35Vdc	X6S	2.2µF	±10%	GRM188C8YA225KE11#	
				±20%	GRM188C8YA225ME11#	
		X5R	4.7µF	±10%	GRM188R6YA475KE15#	
				±20%	GRM188R6YA475ME15#	
	25Vdc	X7S	2.2µF	±10%	GRM188C71E225KE11#	
				±20%	GRM188C71E225ME11#	
		X6S	2.2µF	±10%	GRM188C81E225KE11#	
				±20%	GRM188C81E225ME11#	
			4.7µF	±10%	GRM188C81E475KE11#	D1
		V==	10 -	±20%	GRM188C81E475ME11#	D1
	46)(1	X5R	10µF	±20%	GRM188R61E106MA73#	
	16Vdc	X7S	2.2µF	±10%	GRM188C71C225KE11#	_
			4	±20%	GRM188C71C225ME11#	
		V65	4.7µF	±10%	GRM188C71C475KE21#	
	10)//	X6S	10μF	±20%	GRM188C81C106MA73#	_
	10Vdc	X7T	10μF	±20%	GRM188D71A106MA73#	_
	6.3Vdc	X7T	10µF	±20%	GRM188D70J106MA73#	<u> </u>

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GRM Series High Dielectric Constant Type Part Number List

(→ 1.6×0.8mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.0mm	6.3Vdc	X5R	22µF	±20%	GRM188R60J226MEA0#	D1
		В	22µF	±20%	GRM188B30J226MEA0#	D1
	4Vdc	X6S	22µF	±20%	GRM188C80G226MEA0#	D1
		X5R	22µF	±20%	GRM188R60G226MEA0#	
		В	22µF	±20%	GRM188B30G226MEA0#	

T nax.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
7mm	16Vdc	X6S	1.0µF	±10%	GRM216C81C105KA12#	
5mm	50Vdc	X5R	1.0µF	±10%	GRM219R61H105KA73#	
				±20%	GRM219R61H105MA73#	
			2.2µF	±10%	GRM219R61H225KE15#	
				±20%	GRM219R61H225ME15#	
		В	1.0µF	±10%	GRM219B31H105KA73#	
				±20%	GRM219B31H105MA73#	
			2.2µF	±10%	GRM219B31H225KE15#	
				±20%	GRM219B31H225ME15#	
	35Vdc	X6S	2.2µF	±10%	GRM219C8YA225KE15#	
				±20%	GRM219C8YA225ME15#	
		X5R	4.7µF	±10%	GRM219R6YA475KA73#	D1
				±20%	GRM219R6YA475MA73#	D1
	25Vdc	X7R	1.0µF	±10%	GRM219R71E105KA88#	
		X6S	2.2µF	±10%	GRM219C81E225KE15#	
				±20%	GRM219C81E225ME15#	
		X5R	2.2µF	±10%	GRM219R61E225KA12#	
				±20%	GRM219R61E225MA12#	
			4.7µF	±10%	GRM219R61E475KA73#	
				±20%	GRM219R61E475MA73#	
			10µF	±10%	GRM219R61E106KA12#	D1
				±20%	GRM219R61E106MA12#	D1
		В	3 2.2μF 10μF	±10%	GRM219B31E225KA75#	
				±20%	GRM219B31E225MA75#	
				±10%	GRM219B31E106KA12#	D1
				±20%	GRM219B31E106MA12#	D1
	16Vdc	X7R	2.2µF	±10%	GRM219R71C225KE15#	
				±20%	GRM219R71C225ME15#	
		X5R	4.7µF	±10%	GRM219R61C475KE15#	
			10µF	±10%	GRM219R61C106KA73#	
				±20%	GRM219R61C106MA73#	
		В	4.7µF	±10%	GRM219B31C475KE15#	
			10µF	±10%	GRM219B31C106KA73#	
				±20%	GRM219B31C106MA73#	
	10Vdc	X7R	2.2µF	±10%	GRM219R71A225KE15#	
				±20%	GRM219R71A225ME15#	
		X7T	4.7µF	±10%	GRM219D71A475KE15#	D1
			•	±20%	GRM219D71A475ME15#	D1
		X5R	22µF	±20%	GRM219R61A226MEA0#	D1
		В	22µF	±20%	GRM219B31A226MEA0#	D1
	6.3Vdc	X6S	10µF	±10%	GRM219C80J106KE39#	
			•	±20%	GRM219C80J106ME39#	
		X5R	22µF	±20%	GRM219R60J226MEA0#	
		В	22µF	±20%	GRM219B30J226ME47#	D1

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.95mm	4Vdc	X6S	10µF	±10%	GRM219C80G106KE19#	
				±20%	GRM219C80G106ME19#	
		X5R	47μF	±20%	GRM219R60G476ME44#	D1
	2.5Vdc	X6T	47μF	±20%	GRM219D80E476ME44#	
1.0mm	500Vdc	X7R	1000pF	±10%	GRM21AR72H102KW10#	
			1500pF	±10%	GRM21AR72H152KW10#	
			2200pF	±10%	GRM21AR72H222KW10#	
			3300pF	±10%	GRM21AR72H332KW10#	
			4700pF	±10%	GRM21AR72H472KW10#	
			6800pF	±10%	GRM21AR72H682KW10#	
	250Vdc	X7R	1000pF	±10%	GRM21AR72E102KW01#	
			1500pF	±10%	GRM21AR72E152KW01#	
			2200pF	±10%	GRM21AR72E222KW01#	
			3300pF	±10%	GRM21AR72E332KW01#	
			4700pF	±10%	GRM21AR72E472KW01#	
			6800pF	±10%	GRM21AR72E682KW01#	
	200Vdc	X7R	1000pF	±10%	GRM21AR72D102KW01#	
			1500pF	±10%	GRM21AR72D152KW01#	
			2200pF	±10%	GRM21AR72D222KW01#	
			3300pF	±10%	GRM21AR72D332KW01#	
			4700pF	±10%	GRM21AR72D472KW01#	
			6800pF	±10%	GRM21AR72D682KW01#	
	35Vdc	X6S	4.7µF	±10%	GRM219C8YA475KE21#	D1
				±20%	GRM219C8YA475ME21#	D1
-	25Vdc	X7S	4.7µF	±10%	GRM219C71E475KE21#	D1
			·	±20%	GRM219C71E475ME21#	D1
		X6S	4.7µF	±10%	GRM219C81E475KE21#	D1
			·	±20%	GRM219C81E475ME21#	D1
	16Vdc	X7S	4.7µF	±10%	GRM219C71C475KE21#	
			·	±20%	GRM219C71C475ME21#	
		X5R	22µF	±20%	GRM219R61C226ME15#	D1
1.35mm	25Vdc	X6S	4.7µF	±10%	GRM21BC81E475KA12#	
			•	±20%	GRM21BC81E475MA12#	
		X5R	4.7µF	±10%	GRM21BR61E475KA12#	
				±20%	GRM21BR61E475MA12#	
		В	2.2µF	±10%	GRM21BB31E225KA75#	
			2.25.	±20%	GRM21BB31E225MA75#	
			4.7µF	±10%	GRM21BB31E475KA75#	
			μι	±20%	GRM21BB31E475MA75#	
	16Vdc	X7R	2.2µF	±10%	GRM21BR71C225KA12#	
	1014	X/ IX	2.2μ	±20%	GRM21BR71C225MA12#	
		X5R	10μF	±10%	GRM21BR61C106KE15#	
		ASK	ΙΟμί	±20%	GRM21BR61C106ME15#	
		D	10uE			
		В	10μF	±10%	GRM21BB31C106KE15#	
1 /	EOV/-I-	V	2 2	±20%	GRM21BB31C106ME15#	
1.4mm	50Vdc	X5R	2.2µF	±10%	GRM21BR61H225KA73#	
			47	±20%	GRM21BR61H225MA73#	
			4.7µF	±10%	GRM21BR61H475KE51#	
			0 = =	±20%	GRM21BR61H475ME51#	
		В	2.2µF	±10%	GRM21BB31H225KA73#	
			. –	±20%	GRM21BB31H225MA73#	
			4.7µF	±10%	GRM21BB31H475KE51#	
				±20%	GRM21BB31H475ME51#	
	25Vdc	X7R	2.2µF	±10%	GRM21BR71E225KE11#	

(→ 2.0×1.25mm)

(→ 2.0;	(1.25m	m)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.4mm	25Vdc	X7R	2.2µF	±20%	GRM21BR71E225ME11#	
		X5R	10µF	±10%	GRM21BR61E106KA73#	
				±20%	GRM21BR61E106MA73#	
		В	10μF	±10%	GRM21BB31E106KA73#	
				±20%	GRM21BB31E106MA73#	
	16Vdc	X6S	10µF	±10%	GRM21BC81C106KA73#	
				±20%	GRM21BC81C106MA73#	
	10Vdc	В	22µF	±20%	GRM21BB31A226ME51#	D1
	6.3Vdc	X7R	10μF	±10%	GRM21BR70J106KE76#	_
		X6S	22µF	±20%	GRM21BC80J226ME51#	D1
	4Vdc	X7U	22µF	±20%	GRM21BE70G226ME51#	
		X6S	22µF	±20%	GRM21BC80G226ME39#	
1.45mm	500Vdc	X7R	10000pF	±10%	GRM21BR72H103KW09#	
	250Vdc	X7R	10000pF	±10%	GRM21BR72E103KW03#	
			15000pF	±10%	GRM21BR72E153KW03#	
			22000pF	±10%	GRM21BR72E223KW03#	
	200Vdc	X7R	10000pF	±10%	GRM21BR72D103KW03#	
			15000pF	±10%	GRM21BR72D153KW03#	
			22000pF	±10%	GRM21BR72D223KW03#	
	50Vdc	X7S	4.7µF	±10%	GRM21BC71H475KE11#	
				±20%	GRM21BC71H475ME11#	
		X6S	4.7µF	±10%	GRM21BC81H475KE11#	
				±20%	GRM21BC81H475ME11#	
	35Vdc	X7S	4.7µF	±10%	GRM21BC7YA475KE11#	
				±20%	GRM21BC7YA475ME11#	
		X6S	10µF	±10%	GRM21BC8YA106KE11#	D1
		V55	10.5	±20%	GRM21BC8YA106ME11#	D1
		X5R	10µF	±10%	GRM21BR6YA106KE43#	D1
	05)//	\/ 7 6	47.5	±20%	GRM21BR6YA106ME43#	D1
	25Vdc	X7S	4.7µF	±10%	GRM21BC71E475KE11#	
			105	±20%	GRM21BC71E475ME11#	
			10μF	±10%	GRM21BC71E106KE11# GRM21BC71E106ME11#	D1
		X6S	10	±20%	GRM21BC81E106ME11#	
		763	10μF	±10% ±20%	GRM21BC81E106KE11#	D11 D11
		X5R	22µF	±20%	GRM21BR61E226ME44#	سا
	16Vdc	X7S	22μF 10μF	±10%	GRM21BC71C106KE11#	_
	10000	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ΙΟμΓ	±10% ±20%	GRM21BC71C106ME11#	
		X6S	22uE	±20%	GRM21BC81C226ME44#	D1
		X5R	22μF 22μF	±20%	GRM21BR61C226ME44#	سا
	10Vdc	X7T	22μF	±20%	GRM21BD71A226ME44#	D1
	10000	X6S	22µF	±20%	GRM21BC81A226ME44#	سعا
		X5R	22μF	±20%	GRM21BR61A226ME44#	
		XXX	47μF	±20%	GRM21BR61A476ME15#	D1
	6.3Vdc	X7T	22µF	±20%	GRM21BD70J226ME44#	سکا
	0.5 vac	X5R	47μF	±20%	GRM21BR60J476ME15#	D1
		//3/	47μF 100μF	±20%	GRM21BR60J107ME15#	D1
		В	47μF	±20%	GRM21BB30J476ME15#	D1
	4Vdc	X6S	47μF	±20%	GRM21BC80G476ME15#	
			100μF	±20%	GRM21BC80G107ME15#	D1
		X5R	47μF	±20%	GRM21BR60G476ME15#	اللكت ا
		В	47μF	±20%	GRM21BB30G476ME15#	_
	2.5Vdc	X6S	100μF	±20%	GRM21BC80E107ME15#	_
	2.5 vuc	703	Ισομι	±2076	GIA IZIDOOOLIUTIILIS#	

3.2×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.95mm	35Vdc	X5R	10μF	±10%	GRM319R6YA106KA12#	D
				±20%	GRM319R6YA106MA12#	D
	16Vdc	X5R	10µF	±10%	GRM319R61C106KE15#	
				±20%	GRM319R61C106ME15#	
			22µF	±20%	GRM319R61C226ME15#	D
		В	10µF	±10%	GRM319B31C106KE15#	
			•	±20%	GRM319B31C106ME15#	Н
			22µF	±20%	GRM319B31C226ME15#	D
	10Vdc	X5R	22µF	±20%	GRM319R61A226ME15#	
	10140	В	22µF	±20%	GRM319B31A226ME15#	H
	6.3Vdc	X6S	22µF	±20%	GRM319C80J226ME15#	H
	0.5 vac	X5R	22µF	±20%	GRM319R60J226ME15#	
		В	22µF	±20%	GRM319B30J226ME15#	H
1.0mm	630Vdc	X7R				
1.0111111	630Vac	A/R	1000pF	±10%	GRM31AR72J102KW01#	
			1500pF	±10%	GRM31AR72J152KW01#	
			2200pF	±10%	GRM31AR72J222KW01#	H
			3300pF	±10%	GRM31AR72J332KW01#	
			4700pF	±10%	GRM31AR72J472KW01#	
			6800pF	±10%	GRM31AR72J682KW01#	
			10000pF	±10%	GRM31AR72J103KW01#	
1.25mm	1000Vdc	X7R	470pF	±10%	GRM31BR73A471KW01#	L
			680pF	±10%	GRM31BR73A681KW01#	
			1000pF	±10%	GRM31BR73A102KW01#	
			1500pF	±10%	GRM31BR73A152KW01#	
			2200pF	±10%	GRM31BR73A222KW01#	
			3300pF	±10%	GRM31BR73A332KW01#	
			4700pF	±10%	GRM31BR73A472KW01#	
	630Vdc	X7R	6800pF	±10%	GRM31BR72J682KW01#	
	500Vdc	X7R	15000pF	±10%	GRM31BR72H153KW10#	
			22000pF	±10%	GRM31BR72H223KW10#	Г
	250Vdc	X7R	15000pF	±10%	GRM31BR72E153KW01#	
			22000pF	±10%	GRM31BR72E223KW01#	Г
			68000pF	±10%	GRM31BR72E683KW01#	Г
	200Vdc	X7R	15000pF	±10%	GRM31BR72D153KW01#	Г
			22000pF	±10%	GRM31BR72D223KW01#	Г
			68000pF	±10%	GRM31BR72D683KW01#	Г
	50Vdc	В	1.0µF	±10%	GRM31MB31H105KA87#	Г
	25Vdc	X5R	10µF	±20%	GRM31MR61E106MA12#	Г
1.8mm	1000Vdc	X7R	6800pF	±10%	GRM31CR73A682KW03#	H
			10000pF	±10%	GRM31CR73A103KW03#	⊢
	630Vdc	X7R	15000pF	±10%	GRM31CR72J153KW03#	Н
	000140	,,,,,	22000pF	±10%	GRM31CR72J223KW03#	H
	500Vdc	X7R	33000pF	±10%	GRM31CR72H333KW09#	H
	300140	7(7)(47000pF	±10%	GRM31CR72H473KW09#	Н
	2E0)/do	X7R				⊢
	250Vdc	^/K	33000pF	±10%	GRM31CR72E333KW03#	Н
			47000pF	±10%	GRM31CR72E473KW03#	Н
	2001/1	V75	0.10µF	±10%	GRM31CR72E104KW03#	Н
	200Vdc	X7R	33000pF	±10%	GRM31CR72D333KW03#	Н
			47000pF	±10%	GRM31CR72D473KW03#	Н
			0.10µF	±10%	GRM31CR72D104KW03#	
	100Vdc	X7R	1.0µF	±10%	GRM31CR72A105KA01#	1

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(→ 3.2×1.6mm)

GRM Series High Dielectric Constant Type Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.8mm	50Vdc	X7R	4.7µF	±20%	GRM31CR71H475MA12#	
		X5R	10μF	±10%	GRM31CR61H106KA12#	
				±20%	GRM31CR61H106MA12#	
		В	4.7µF	±10%	GRM31CB31H475KA12#	
				±20%	GRM31CB31H475MA12#	
			10µF	±10%	GRM31CB31H106KA12#	
				±20%	GRM31CB31H106MA12#	
	25Vdc	X7R	10μF	±10%	GRM31CR71E106KA12#	
				±20%	GRM31CR71E106MA12#	
		X5R	22µF	±20%	GRM31CR61E226ME15#	
		В	10μF	±10%	GRM31CB31E106KA75#	
			22µF	±20%	GRM31CB31E226ME15#	
	16Vdc	X6S	22µF	±20%	GRM31CC81C226ME15#	
		X5R	22µF	±20%	GRM31CR61C226ME15#	
		В	22µF	±20%	GRM31CB31C226ME15#	
	10Vdc	X7R	22µF	±20%	GRM31CR71A226ME15#	
		X5R	47µF	±20%	GRM31CR61A476ME15#	
		В	47µF	±20%	GRM31CB31A476ME15#	
	6.3Vdc	X7R	22µF	±20%	GRM31CR70J226ME19#	
		X7U	47µF	±20%	GRM31CE70J476ME15#	D1
		X6S	47µF	±20%	GRM31CC80J476ME18#	
		X5R	47µF	±20%	GRM31CR60J476ME19#	
		В	47µF	±20%	GRM31CB30J476ME18#	
	4Vdc	X7U	47μF	±20%	GRM31CE70G476ME15#	
		X6S	47µF	±20%	GRM31CC80G476ME19#	
1.9mm	25Vdc	X6S	22µF	±20%	GRM31CC81E226ME11#	
	16Vdc	X7S	22µF	±20%	GRM31CC71C226ME11#	
		X5R	47µF	±20%	GRM31CR61C476ME44#	
	10Vdc	X6S	47µF	±20%	GRM31CC81A476ME44#	
		X5R	100µF	±20%	GRM31CR61A107ME05#	D1
	6.3Vdc	X6T	100µF	±20%	GRM31CD80J107ME39#	D1
		X5R	100µF	±20%	GRM31CR60J107ME39#	
			150µF	±20%	GRM31CR60J157ME11#	D1
	4Vdc	X7U	100µF	±20%	GRM31CE70G107ME39#	D1
		X6S	150µF	±20%	GRM31CC80G157ME11#	D1
		X6T	100µF	±20%	GRM31CD80G107ME39#	
		X5R	100µF	±20%	GRM31CR60G107ME39#	
			150µF	±20%	GRM31CR60G157ME11#	
			220µF	±20%	GRM31CR60G227ME11#	
	2.5Vdc	X6S	150µF	±20%	GRM31CC80E157ME11#	
		X5R	220µF	±20%	GRM31CR60E227ME11#	

3.2×2.5mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.5mm	1000Vdc	X7R	6800pF	±10%	GRM32QR73A682KW01#	
			10000pF	±10%	GRM32QR73A103KW01#	
	630Vdc	X7R	22000pF	±10%	GRM32QR72J223KW01#	
	500Vdc	X7R	68000pF	±10%	GRM32QR72H683KW10#	
	250Vdc	X7R	68000pF	±10%	GRM32QR72E683KW01#	
			0.15µF	±10%	GRM32QR72E154KW01#	
	200Vdc	X7R	68000pF	±10%	GRM32QR72D683KW01#	
			0.15µF	±10%	GRM32QR72D154KW01#	

Т	Rated	TC	Cap.	Tol.	Part Number	
max.	Voltage	Code		100/		
1.8mm	100Vdc	X7R	1.0µF	±10%	GRM32CR72A105KA35#	
2.0	1000/4-	V7D	15000-5	±20%	GRM32CR72A105MA35#	
2.Umm	1000Vdc	X/R		±10%	GRM32DR73A153KW01# GRM32DR73A223KW01#	
	630Vdc	X7R	22000pF	±10%	GRM32DR72J333KW01#	
	630746	A/R	33000pF 47000pF	±10%	GRM32DR72J473KW01#	
	500Vdc	X7R	0.10µF	±10%	GRM32DR72H104KW10#	
	250Vdc	X7R	0.10µF	±10%	GRM32DR72E104KW01#	
	250 Vac	7/1	0.10µl	±10%	GRM32DR72E224KW01#	
	200Vdc	X7R	-	±10%	GRM32DR72D104KW01#	
	200 vuc	A/K	0.10µF 0.22µF	±10%	GRM32DR72D224KW01#	
	100Vdc	X7S		±10%	GRM32DC72A475KE01#	
2.211111	100046	X/3	4.7µF	±10% ±20%	GRM32DC72A475NE01#	
	25Vdc	X7R	10μF	±20%	GRM32DR71E106KA12#	
2.7mm	100Vdc	X7R		±10%	GRM32ER72A225KA35#	
2.711111	1000400	A/K	2.2µF	±10%	GRM32ER72A225MA35#	
	80Vdc	X7R	4.7µF	±20%	GRM32ER71K475KE14#	(24)
	BOVAC	7/1	4.7μ	±10%	GRM32ER71K475ME14#	D1 D1
	63Vdc	X7R	10µF	±10%	GRM32ER71J106KA12#	=
	63746	A/R	ΙΟμΓ	±10% ±20%	GRM32ER71J106KA12#	D1
	50Vdc	VZD	4 7			D1
	50000	X7R	4.7µF	±10%	GRM32ER71H475KA88#	
			10µF	±10% ±20%	GRM32ER71H106KA12#	
		X5R	10μF	±20%	GRM32ER71H106MA12# GRM32ER61H106KA12#	
		ASK	ΙΟμΓ	±10%	GRM32ER61H106MA12#	
		В	10μF	±20%	GRM32EB31H106KA12#	
			ΙΟμί	±20%	GRM32EB31H106MA12#	
	35Vdc	X7R	10μF	±10%	GRM32ER7YA106KA12#	
	Jovac	7/1	ΙΟμί	±20%	GRM32ER7YA106MA12#	
		X5R	10μF	±10%	GRM32ER6YA106KA12#	
		XSIC	ΙΟμί	±20%	GRM32ER6YA106MA12#	
		В	10μF	±10%	GRM32EB3YA106KA12#	
			ΙΟμί	±20%	GRM32EB3YA106MA12#	
	25Vdc	X7R	22µF	±20%	GRM32ER71E226ME15#	
	23746	X5R	22µF	±20%	GRM32ER61E226ME15#	
		В	22µF	±20%	GRM32EB31E226ME15#	
	16Vdc	X7R	22µF	±20%	GRM32ER71C226MEA8#	
	10146	X6S	47µF	±20%	GRM32EC81C476ME15#	D1
		X5R	47µF	±20%	GRM32ER61C476ME15#	لعا
		В	47µF	±20%	GRM32EB31C476ME15#	
	10Vdc	X7R	47µF	±20%	GRM32ER71A476ME15#	
	10146	X5R	47µF	±20%	GRM32ER61A476ME20#	
		,	100μF	±20%	GRM32ER61A107ME20#	D1
		В	47μF	±20%	GRM32EB31A476ME20#	للات
	6.3Vdc	X7R	47μF	±20%	GRM32ER70J476ME20#	
	5.5 vuc	X7U	47μF 100μF	±20%	GRM32EE70J107ME15#	D1
		X5R	100μF	±20%	GRM32ER60J107ME20#	للت
		В	100μF	±20%	GRM32EB30J107ME16#	
	4Vdc	X7U	100μF	±20%	GRM32EE70G107ME19#	
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GRM Series High Dielectric Constant Type Part Number List

4.5×3.2mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.5mm	630Vdc	X7R	68000pF	±10%	GRM43QR72J683KW01#	
	500Vdc	X7R	0.15µF	±10%	GRM43QR72H154KW10#	
	250Vdc	X7R	0.15µF	±10%	GRM43QR72E154KW01#	
	200Vdc	X7R	0.15µF	±10%	GRM43QR72D154KW01#	
2.0mm	1000Vdc	X7R	33000pF	±10%	GRM43DR73A333KW01#	
			47000pF	±10%	GRM43DR73A473KW01#	
	630Vdc	X7R	0.10µF	±10%	GRM43DR72J104KW01#	
	500Vdc	X7R	0.22µF	±10%	GRM43DR72H224KW10#	
	250Vdc	X7R	0.22µF	±10%	GRM43DR72E224KW01#	
			0.33µF	±10%	GRM43DR72E334KW01#	
			0.47µF	±10%	GRM43DR72E474KW01#	
	200Vdc	X7R	0.22µF	±10%	GRM43DR72D224KW01#	
			0.33µF	±10%	GRM43DR72D334KW01#	
			0.47µF	±10%	GRM43DR72D474KW01#	

5.7×5.0mm

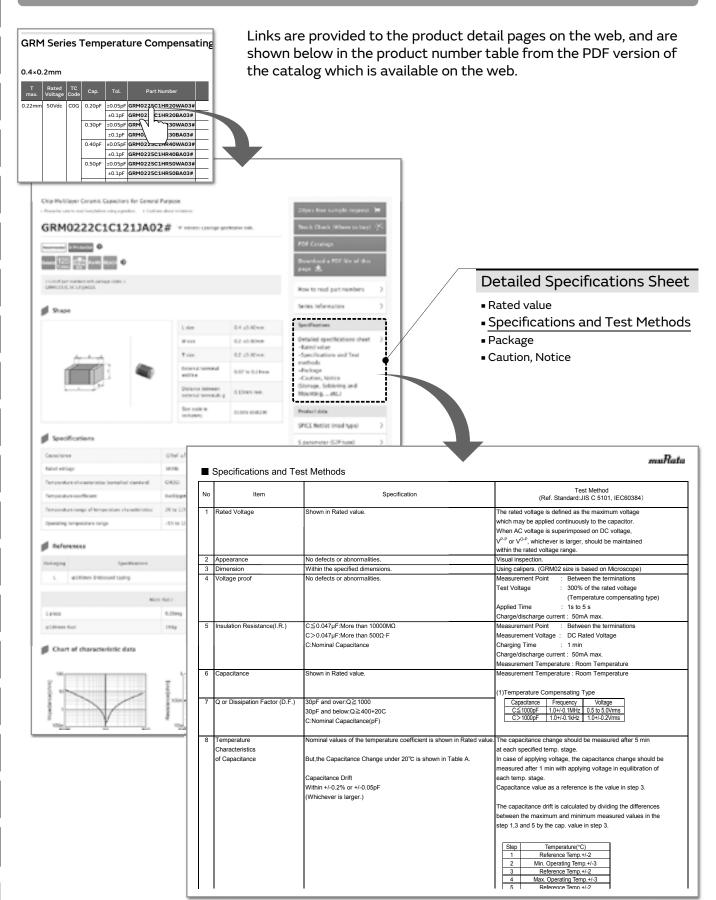
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
2.0mm	1000Vdc	X7R	68000pF	±10%	GRM55DR73A683KW01#
			0.10µF	±10%	GRM55DR73A104KW01#
	630Vdc	X7R	0.15µF	±10%	GRM55DR72J154KW01#
			0.22µF	±10%	GRM55DR72J224KW01#
	500Vdc	lc X7R	0.33µF	±10%	GRM55DR72H334KW10#
			0.47µF	±10%	GRM55DR72H474KW10#
	250Vdc	X7R	0.33µF	±10%	GRM55DR72E334KW01#
			0.47µF	±10%	GRM55DR72E474KW01#
			0.68µF	±10%	GRM55DR72E684KW01#
			1.0µF	±10%	GRM55DR72E105KW01#
	200Vdc	dc X7R	0.33µF	±10%	GRM55DR72D334KW01#
			0.47µF	±10%	GRM55DR72D474KW01#
			0.68µF	±10%	GRM55DR72D684KW01#
			1.0µF	±10%	GRM55DR72D105KW01#

GR7

KR3

GRM Series Specifications and Test Methods

Specifications and Test Methods, please refer to the search web page. https://www.murata.com/en-global/products/capacitor



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GR3 Series





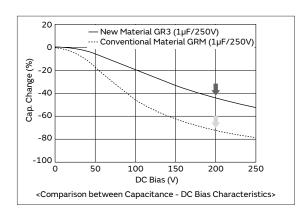


This is a general purpose high ripple resistance product excellent in DC bias characteristics.

Features

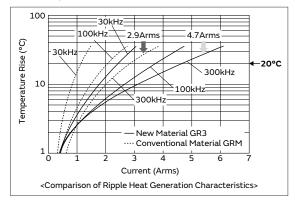
 When a DC bias is applied, a capacitance higher than conventional products (X7R characteristics) can be acquired.

About twice the capacitance can be secured when DC200V is applied.



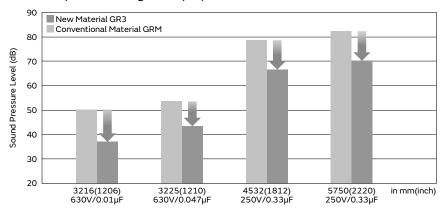
Improved ripple resistance performance compared to conventional products (X7R characteristics).

In the case of a product with a capacitance of $1\mu F$, when the exothermic temperature reaches 20°C at frequency f=300kHz, the amount of resistance of a product with conventional material is 2.9Arms; however, the new material is 4.7Arms.



3 This product has a noise reduction effect.

Since dielectric materials which enable a reduction of noise are used, this product is more effective for reducing noise compared to the general purpose GRM series.



Specifications

Size (mm)	2.0×1.25mm to 5.7×5.0mm
Rated Voltage	250Vdc to 630Vdc
Capacitance	10000pF to 1.0µF
Main Applications	For PFC (Power Factor Correction) Circuits of Power Supplies, EMI Suppression and Smoothing Circuits

e g e T T T Spinensions>

This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

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GR3 Series High Dielectric Constant Type Res Part Number List

2.0×1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.0mm	250Vdc	X7T	10000pF	±10%	GR321AD72E103KW01#	p111
			15000pF	±10%	GR321AD72E153KW01#	p111
1.45mm	250Vdc	X7T	22000pF	±10%	GR321BD72E223KW03#	p111

T max.	Rated Voltage		Сар.	Tol.	Part Number	p*
2.7mm	250Vdc	X7T	1.0µF	±10%	GR355XD72E105KW05#	p111

3.2×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.0mm	450Vdc	X7T	10000pF	±10%	GR331AD72W103KW01#	p114
			15000pF	±10%	GR331AD72W153KW01#	p114
	250Vdc	X7T	33000pF	±10%	GR331AD72E333KW01#	p111
1.25mm	630Vdc	X7T	10000pF	±10%	GR331BD72J103KW01#	p117
	450Vdc	X7T	22000pF	±10%	GR331BD72W223KW01#	p114
			33000pF	±10%	GR331BD72W333KW01#	p114
	250Vdc	X7T	47000pF	±10%	GR331BD72E473KW01#	p111
1.8mm	630Vdc	X7T	15000pF	±10%	GR331CD72J153KW03#	p117
	450Vdc	X7T	47000pF	±10%	GR331CD72W473KW03#	p114
	250Vdc	X7T	68000pF	±10%	GR331CD72E683KW03#	p111

3.2×2.5mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.5mm	630Vdc	X7T	22000pF	±10%	GR332QD72J223KW01#	p117
	250Vdc	X7T	0.10µF	±10%	GR332QD72E104KW01#	p111
2.0mm	630Vdc	X7T	33000pF	±10%	GR332DD72J333KW01#	p117
			47000pF	±10%	GR332DD72J473KW01#	p117
	450Vdc	X7T	68000pF	±10%	GR332DD72W683KW01#	p114
			0.10µF	±10%	GR332DD72W104KW01#	p114
	250Vdc	X7T	0.15µF	±10%	GR332DD72E154KW01#	p111

4.5×3.2mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.5mm	250Vdc	X7T	0.22µF	±10%	GR343QD72E224KW01#	p111
2.0mm	630Vdc	X7T	68000pF	±10%	GR343DD72J683KW01#	p117
	450Vdc	X7T	0.15µF	±10%	GR343DD72W154KW01#	p114
	250Vdc	X7T	0.33µF	±10%	GR343DD72E334KW01#	p111

5.7×5.0mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
2.0mm	630Vdc	X7T	0.10µF	±10%	GR355DD72J104KW01#	p117
			0.15µF	±10%	GR355DD72J154KW01#	p117
	450Vdc	X7T	0.22µF	±10%	GR355DD72W224KW01#	p114
			0.33µF	±10%	GR355DD72W334KW01#	p114
			0.47µF	±10%	GR355DD72W474KW01#	p114
	250Vdc	X7T	0.47µF	±10%	GR355DD72E474KW01#	p111
			0.68µF	±10%	GR355DD72E684KW01#	p111
2.7mm	630Vdc	X7T	0.22µF	±10%	GR355XD72J224KW05#	p117

 $[\]ensuremath{^{*:}}$ Refers to the page of the "Specifications and Test Methods".

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GA3 GD

GA3 GF

GR3 Series Specifications and Test Methods (1)

No			Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
1	Appearance		No defects or abnormalities.	Visual inspection.		
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.		
3	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: DC500V (200% of the rated voltage) Applied Time: 1 to 5s Charge/discharge current: 50mA max.		
4	Insulation Resistance (I.R.)		More than 10000MΩ or 100MΩ • μF (Whichever is smaller)	Measurement Point: Between the terminations Measurement Voltage: DC250±25V Charging Time: 60±5s Measurement Temperature: Room Temperature		
5	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature		
6	Dissipation Fa	actor (D.F.)	0.01 max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2V (r.m.s.)		
7	Temperature Characteristics of Capacitance		D7: Within +22/-33% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in		
		Capacitance	Within the specified initial value.	"Complement of Test Method".		
8	Vibration	D.F.	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).		
9	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.		
		Appearance	No defects or abnormalities.	Test Method: Solder bath method		
		Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s		
	Resistance	D.F.	Within the specified initial value.	Immersing in speed: 25±2.5mm/s.		
10	to Soldering Heat Voltage Proof		Within the specified initial value. No defects.	Exposure Time: 24±2h at room condition*. Preheat: GR331 size max.: 120 to 150°C for 1min GR332 size min.: 100 to 120°C for 1min and 170 to 200°C for 1min • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
11	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.		
12	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 2mm (GR321 size: 1mm) Holding Time: 5±1s Soldering Method: Reflow soldering		

^{*} Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

Continued on the following page. \nearrow

GA2

GR7

GR3 Series Specifications and Test Methods (1)

Continued from the preceding page.

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)			
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epo			
		Capacitance Change	Within ±7.5%	board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table.			
		D.F.	Within the specified initial value.	Step Temp. (°C) Time (min)			
	Temperature	I.R.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3			
13	Sudden Change	Voltage Proof	No defects.	2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and			
		Appearance	No defects or abnormalities.	then let sit for 24±2h. at room condition *. Fix the capacitor to the supporting Test substrate A (glass epoxy			
	High	Capacitance Change	Within ±12.5%	board) shown in "Complement of Test Method". Test Temperature: 40±2°C Test Humidity: 90 to 95%RH			
14	Temperature High	D.F.	0.02 max.	Test Time: 500+24/-0h			
14	Humidity (Steady)	I.R.	More than 1000MΩ or 10MΩ • μF (Whichever is smaller)	Applied Voltage: DC250V(DC Rated Voltage) Exposure Time: 24±2h at room condition*. • Pretreatment			
		Voltage Proof	No defects.	Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.			
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy			
		Capacitance Change	Within ±12.5%	board) shown in "Complement of Test Method". Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000+48/-0h			
15	Durability	D.F.	0.02 max.	Applied Voltage: DC375V (150% of the rated voltage)			
13	Darability	I.R.	More than 1000MΩ or 10MΩ • μF (Whichever is smaller)	Charge/discharge current: 50mA max. Exposure Time: 24±2h at room condition*. • Pretreatment			
		Voltage Proof	No defects.	Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.			

^{*} Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

Continued on the following page. 🖊

Part Number

GR321

GR331

GR332

GR342

GR343

GR352

GR355

Part Number GR321

GR331

GR332

GR342

GR343

GR352

GR355

GR3 Series Specifications and Test Methods (1)

Continued from the preceding page.

Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

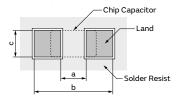
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

(1) Test Substrate A

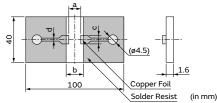
Land Dimensions



 Material 	Glass	Fnoxy	Board

- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

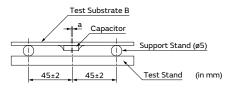


 Material: Glass End 	vv Roard

• Thickness of Copper Foil: 0.035mm

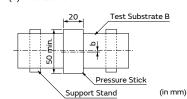
2. Test Method of Substrate Bending Test

(a) Support State



a: ± 2 gap between support stand center and test stand

(b) Test State



Dimension (mm)

Ь

4.0

5.0

5.0

7.0

7.0

8.0

8.0

Dimension (mm)

1.65

2.0

2.9

2.4

3.7

3.2

5.6

4.0

5.0

5.0

7.0

7.0

8.0

8.0

1.65

2.0

2.9

2.4

3.7

3.2

5.6

1.0

1.0

1.0

1.0

1.0

1.0

1.0

1.2

2.2

2.2

3.5

3.5

4.5

4.5

1.2

2.2

2.2

3.5

3.5

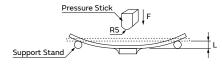
4.5

4.5

b: ±5 gap between support stand center and test stand center

- Material of Test Stand and Pressure Stick
- The material shoud be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed

The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



GR7

GQM

GA3 GD

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GR3 Series Specifications and Test Methods (2)

No	lt	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)			
1	Appearance		No defects or abnormalities.	Visual inspection.			
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.			
3	Voltage Proo	f	No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: DC675V (150% of the rated voltage) Applied Time: 1 to 5s Charge/discharge current: 50mA max.			
4	Insulation Re	sistance (I.R.)	More than 10000MΩ or 100MΩ • μF (Whichever is smaller)	Measurement Point: Between the terminations			
5	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature			
6	Dissipation Fa	actor (D.F.)	0.01 max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2V (r.m.s.)			
7	Temperature Characteristics of Capacitance		Characteristics D7: Within +22/-33% (-55 to +125		D7: Within +22/-33% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.	
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in			
		Capacitance	Within the specified initial value.	"Complement of Test Method".			
8	Vibration	D.F.	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).			
9	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.			
		Appearance	No defects or abnormalities.	Test Method: Solder bath method			
		Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s			
	Resistance	D.F.	Within the specified initial value.	Immersing in speed: 25±2.5mm/s.			
10	to Soldering	I.R.	Within the specified initial value.	Exposure Time: 24±2h at room condition*. Preheat: GR331 size max.: 120 to 150°C for 1min			
	Heat	Voltage Proof	No defects.	GR332 size min.: 100 to 120°C for 1min and 170 to 200°C for 1min • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.			
11	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.			
12	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 2mm Holding Time: 5±1s Soldering Method: Reflow soldering			

^{*} Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

Continued on the following page. \nearrow

GR3 Series Specifications and Test Methods (2)

Continued from the preceding page.

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)				
		Appearance Capacitance Change	No defects or abnormalities. Within ±7.5%	Fix the capacitor to the supporting Test substrate A (glass epoxy board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table.				
		D.F.	Within the specified initial value.	Step Temp. (°C) Time (min)				
	Temperature	I.R.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3				
13	13 Sudden Change	Voltage Proof	No defects.	2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h. at room condition *.				
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy				
	High	Capacitance Change	Within ±12.5%	board) shown in "Complement of Test Method". Test Temperature: 40±2°C Test Humidity: 90 to 95%RH				
14	Temperature High	D.F.	0.02 max.	Test Time: 500+24/-0h				
	Humidity (Steady)	I.R.	More than $1000M\Omega$ or $10M\Omega \cdot \mu F$ (Whichever is smaller)	Applied Voltage: DC450V (DC Rated Voltage) Exposure Time: 24±2h at room condition*. • Pretreatment				
		Voltage Proof	No defects.	Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.				
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy				
		Capacitance Change	Within ±12.5%	board) shown in "Complement of Test Method". Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000+48/-0h				
15	Durability	D.F.	0.02 max.	Applied Voltage: DC585V (130% of the rated voltage)				
13	2 arabiticy	I.R.	More than $1000M\Omega$ or $10M\Omega \cdot \mu F$ (Whichever is smaller)	Charge/discharge current: 50mA max. Exposure Time: 24±2h at room condition*. • Pretreatment				
		Voltage Proof	No defects.	Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.				

^{*} Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

Continued on the following page. \nearrow

GRM

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GR4

GR7

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GA2

GA3 GE

GAS

GA3 GF

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// LLM

IFM //

ARA M

GMA

Caution G

Part Number

GR318

GR321

GR331

GR332

GOM

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KR3

GR3 Series Specifications and Test Methods (2)

Continued from the preceding page.

Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

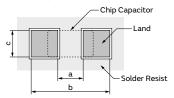
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

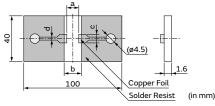
(1) Test Substrate A

Land Dimensions



- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

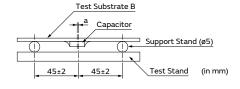
(2) Test Substrate B



- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

(a) Support State



a: ±2 gap between support stand center and test stand

GR342 3.5 7.0 2.4 GR343 3.5 7.0 3.7 GR352 4.5 8.0 3.2 4.5 **GR355** 8.0 5.6

1.0

1.2

2.2

2.2

Dimension (mm)

b

3.0

4.0

5.0

5.0

1.2

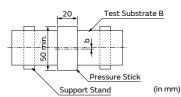
1.65

2.0

2.9

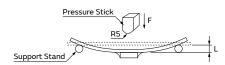
Part Number	Dimension (mm)							
Part Number	a	b	С	d				
GR318	1.0	3.0	1.2	1.0				
GR321	1.2	4.0	1.65	1.0				
GR331	2.2	5.0	2.0	1.0				
GR332	2.2	5.0	2.9	1.0				
GR342	3.5	7.0	2.4	1.0				
GR343	3.5	7.0	3.7	1.0				
GR352	4.5	8.0	3.2	1.0				
GR355	4.5	8.0	5.6	1.0				

(b) Test State



b: ±5 gap between support stand center and test stand center

- Material of Test Stand and Pressure Stick
- The material should be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



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GA2

GA3 GD

GA3 GF

GR3 Series Specifications and Test Methods (3)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Appearance		No defects or abnormalities.	Visual inspection.
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.
3	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: DC756V (120% of the rated voltage) Applied Time: 1 to 5s Charge/discharge current: 50mA max.
4	Insulation Res	sistance (I.R.)	More than 10000MΩ or 100MΩ • μF (Whichever is smaller)	Measurement Point: Between the terminations Measurement Voltage: DC500±50V Charging Time: 60±5s Measurement Temperature: Room Temperature
5	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
6	Dissipation Fa	actor (D.F.)	0.01 max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2V (r.m.s.)
7	Temperature Characteristic of Capacitance		D7: Within +22/-33% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in
		Capacitance Within the specified initial value.		"Complement of Test Method". Kind of Vibration: A simple harmonic motion
8	Vibration	D.F.	Within the specified initial value.	Total amplitude: 1.5mm This motion should be applied for a period of 2h. in each 3 mutually perpendicular directions (total of 6h).
9	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.
		Appearance	No defects or abnormalities.	Test Method: Solder bath method
		Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s
	Resistance	D.F.	Within the specified initial value.	Immersing in speed: 25±2.5mm/s.
10	to Soldering	I.R.	Within the specified initial value.	Exposure Time: 24±2h at room condition*. Preheat: GR331 size max.: 120 to 150°C for 1min
	Heat	Voltage Proof	No defects.	GR332 size min.: 100 to 120°C for 1min and 170 to 200°C for 1min • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.
11	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.

 $^{^{\}star}$ Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

Continued on the following page. 🖊

GR3 Series Specifications and Test Methods (3)

Continued from the preceding page.

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
12	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 2mm Holding Time: 5±1s Soldering Method: Reflow soldering		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy		
		Capacitance Change	Within ±7.5%	board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table.		
		D.F.	Within the specified initial value.	Step Temp. (°C) Time (min)		
	Temperature	I.R.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3		
13	Sudden		·	2 Room Temp. 2 to 3		
	Change			3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3		
		Voltage Proof	No defects.	4 Room Temp. 2 to 3 Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h. at room condition *.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy		
	High	Capacitance Change	Within ±12.5%	board) shown in "Complement of Test Method". Test Temperature: 40±2°C Test Humidity: 90 to 95%RH		
14	Temperature High	D.F.	0.02 max.	Test Time: 500+24/-0h		
14	Humidity (Steady)	I.R.	More than 1000MΩ or 10MΩ • μF (Whichever is smaller)	Applied Voltage: DC630V (DC Rated Voltage) Exposure Time: 24±2h at room condition*. • Pretreatment		
		Voltage Proof	No defects.	Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy		
		Capacitance Change	Within ±12.5%	board) shown in "Complement of Test Method". Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000+48/-0h		
4.5	Down billion	D.F.	0.02 max.	Applied Voltage: DC756V (120% of the rated voltage)		
15	Durability	I.R.	More than 1000MΩ or 10MΩ • μF (Whichever is smaller)	Charge/discharge current: 50mA max. Exposure Time: 24±2h at room condition*. • Pretreatment		
		Voltage Proof	No defects.	Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.		

 $^{{}^*\,}Room\,Condition; Temperature:\,15\,to\,35^\circ\text{C}, Relative \,humidity:\,45\,to\,75\%, Atmosphere\,pressure:\,86\,to\,106\text{kPa}$

Continued on the following page. 🖊

Part Number

GR318

GR321

GR331

GR332

GR342

GR343

GR352

GR355

GR343

GR352

GR355

1.0

1.2

2.2

2.2

3.5

3.5

4.5

4.5

Ω

GA2

GA3 GF

KRM

119

GR3 Series Specifications and Test Methods (3)

Continued from the preceding page.

Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

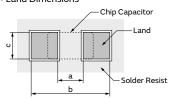
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

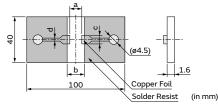
(1) Test Substrate A

Land Dimensions



- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

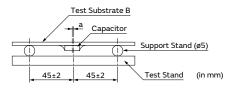
(2) Test Substrate B



- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

(a) Support State



a: ± 2 gap between support stand center and test stand

Dimension (mm) Part Number GR318 1.0 3.0 1.2 1.0 GR321 1.2 4.0 1.65 1.0 GR331 2.2 5.0 2.0 1.0 **GR332** 2.2 5.0 2.9 1.0 **GR342** 3.5 7.0 2.4 1.0

7.0

8.0

8.0

Dimension (mm)

Ь

3.0

4.0

5.0

5.0

7.0

7.0

8.0

8.0

1.2

1.65

2.0

2.9

2.4

3.7

3.2

5.6

1.0

1.0

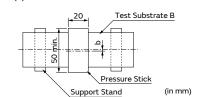
1.0

(b) Test State

3.5

4.5

4.5



b: ±5 gap between support stand center and test stand center

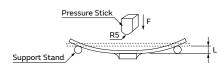
3.7

3.2

5.6

- Material of Test Stand and Pressure Stick The material shoud be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed

The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



GR7

GA2

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Soft Termination Chip Multilayer Ceramic Capacitors for General Purpose

GRJ Series





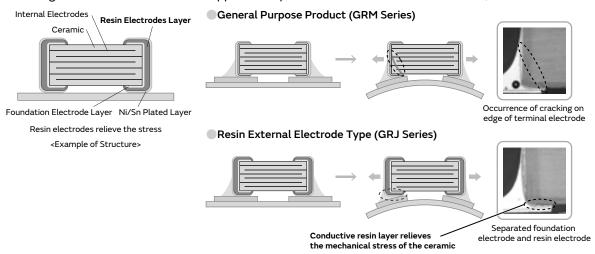


Cracking caused by flexing stress after board mounting is minimized due to resin external electrodes!

Features

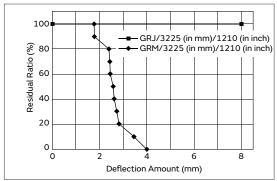
1 The resin external electrodes suppress cracks by board deflection.

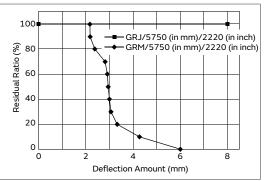
Cracking of the ceramic element is suppressed by the resin of the external electrodes, which releases the stress.



Note: Cracks may occur in the capacitor body if excessive stress beyond the "guaranteed range of board bending strength (*)" provided in the specifications is applied. Capacitors with cracks in them may cause a drop in insulation resistance, which could lead to a short circuit. (*) For details on the guaranteed range of board bending strength, check the "Detailed Specification Sheet" on the Product Details Page.

2) Suppresses the occurrence of cracking caused by deflection stress at the time of board mounting, etc.



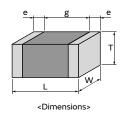


Due to the specification of the measuring instrument, measurements can be performed up to 8mm.

3 Ideal for consumer and industrial electronic equipment, etc. where there heat stress, vibration and impact are applied.

Specifications

Size (mm)	0.6×0.3mm to 5.7×5.0mm
Rated Voltage	6.3Vdc to 1000Vdc
Capacitance	220pF to 47μF
Main Applications	Consumer & Industrial Electronic Equipment



Please refer to the capacitor search tool on the Murata Web site for details.

This catalog contains only a portion of the product lineup.

GRJ Series High Dielectric Constant Type Part Number List

1.6×0.8mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	X7R	1000pF	±10%	GRJ188R72A102KE11#	
				±20%	GRJ188R72A102ME11#	
			2200pF	±10%	GRJ188R72A222KE11#	
				±20%	GRJ188R72A222ME11#	
			4700pF	±10%	GRJ188R72A472KE11#	
				±20%	GRJ188R72A472ME11#	
			10000pF	±10%	GRJ188R72A103KE11#	
				±20%	GRJ188R72A103ME11#	
			22000pF	±10%	GRJ188R72A223KE11#	
				±20%	GRJ188R72A223ME11#	
			0.10µF	±10%	GRJ188R72A104KE11#	
				±20%	GRJ188R72A104ME11#	
	50Vdc	X7R	1000pF	±10%	GRJ188R71H102KE11#	
				±20%	GRJ188R71H102ME11#	
			2200pF	±10%	GRJ188R71H222KE11#	
				±20%	GRJ188R71H222ME11#	
			4700pF	±10%	GRJ188R71H472KE11#	
				±20%	GRJ188R71H472ME11#	
			10000pF	±10%	GRJ188R71H103KE11#	
				±20%	GRJ188R71H103ME11#	
			22000pF	±10%	GRJ188R71H223KE11#	
				±20%	GRJ188R71H223ME11#	
			47000pF	±10%	GRJ188R71H473KE11#	
				±20%	GRJ188R71H473ME11#	
			0.10µF	±10%	GRJ188R71H104KE11#	
				±20%	GRJ188R71H104ME11#	
			0.22µF	±10%	GRJ188R71H224KE11#	
				±20%	GRJ188R71H224ME11#	
	35Vdc	X5R	1.0µF	±10%	GRJ188R6YA105KE11#	
	25Vdc	X7R	47000pF	±10%	GRJ188R71E473KE11#	
				±20%	GRJ188R71E473ME11#	
			0.22µF	±10%	GRJ188R71E224KE11#	
				±20%	GRJ188R71E224ME11#	
			1.0µF	±10%	GRJ188R71E105KE11#	
				±20%	GRJ188R71E105ME11#	
	16Vdc	X7R	0.47µF	±10%	GRJ188R71C474KE11#	
			'	±20%	GRJ188R71C474ME11#	
	6.3Vdc	X7R	2.2µF	±10%	GRJ188R70J225KE11#	
				±20%	GRJ188R70J225ME11#	
1.0mm	6.3Vdc	X7S	4.7µF	±10%	GRJ188C70J475KE11#	
				±20%	GRJ188C70J475ME11#	

2.0×1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.7mm	100Vdc	X7R	1000pF	±10%	GRJ216R72A102KE01#
				±20%	GRJ216R72A102ME01#
			2200pF	±10%	GRJ216R72A222KE01#
				±20%	GRJ216R72A222ME01#
			4700pF	±10%	GRJ216R72A472KE01#
				±20%	GRJ216R72A472ME01#

т	Rated	тс	Cap.	Tol.	Part Number	
max.	Voltage	Code	очр.			
0.7mm	100Vdc	X7R	10000pF	±10%	GRJ216R72A103KE01#	
				±20%	GRJ216R72A103ME01#	
			22000pF	±10%	GRJ216R72A223KE01#	
	50)(1)	V7D	470.5	±20%	GRJ216R72A223ME01#	
	50Vdc	X7R	470pF	±10%	GRJ216R71H471KE01#	
			1000.5	±20%	GRJ216R71H471ME01#	
			1000pF	±10%	GRJ216R71H102KE01#	
			220055	±20% ±10%	GRJ216R71H102ME01# GRJ216R71H222KE01#	
			2200pF	±10% ±20%	GRJ216R71H222RE01#	
			4700pF	±10%	GRJ216R71H472KE01#	
			чтоорг	±20%	GRJ216R71H472ME01#	
			10000pF	±10%	GRJ216R71H103KE01#	
			тоосорі	±20%	GRJ216R71H103ME01#	
			22000pF	±10%	GRJ216R71H223KE01#	
			22000р.	±20%	GRJ216R71H223ME01#	
0.95mm	100Vdc	X7R	220pF	±10%	GRJ219R72A221KE01#	
				±20%	GRJ219R72A221ME01#	
			470pF	±10%	GRJ219R72A471KE01#	
				±20%	GRJ219R72A471ME01#	
1.0mm	250Vdc	X7R	1000pF	±10%	GRJ21AR72E102KWJ1#	
			1500pF	±10%	GRJ21AR72E152KWJ1#	
			2200pF	±10%	GRJ21AR72E222KWJ1#	
			3300pF	±10%	GRJ21AR72E332KWJ1#	
			4700pF	±10%	GRJ21AR72E472KWJ1#	
			6800pF	±10%	GRJ21AR72E682KWJ1#	
1.45mm	250Vdc	X7R	10000pF	±10%	GRJ21BR72E103KWJ3#	
			15000pF	±10%	GRJ21BR72E153KWJ3#	
			22000pF	±10%	GRJ21BR72E223KWJ3#	
	100Vdc	X7R	47000pF	±10%	GRJ21BR72A473KE01#	
				±20%	GRJ21BR72A473ME01#	
			0.10µF	±10%	GRJ21BR72A104KE01#	
				±20%	GRJ21BR72A104ME01#	
	50Vdc	X7R	47000pF	±10%	GRJ21BR71H473KE01#	
				±20%	GRJ21BR71H473ME01#	
			0.10µF	±10%	GRJ21BR71H104KE01#	
				±20%	GRJ21BR71H104ME01#	
			0.22µF	±10%	GRJ21BR71H224KE01#	
				±20%	GRJ21BR71H224ME01#	
			0.47µF	±10%	GRJ21BR71H474KE01#	
				±20%	GRJ21BR71H474ME01#	
			1.0µF	±10%	GRJ21BR71H105KE01#	
	25)//	V75	10.5	±20%	GRJ21BR71H105ME01#	
	25Vdc	X7R	1.0µF	±10%	GRJ21BR71E105KE11#	
			2 25	±20%	GRJ21BR71E105ME11#	
			2.2µF	±10%	GRJ21BR71E225KE01#	
	16Vdc	X7R	4 7E	±20%	GRJ21BR71E225ME01# GRJ21BR71C475KE01#	
	10000	AIR	4.7µF	±10%	GRJ21BR71C475KE01#	
	10Vdc	X7R	10μF	±20%	GRJ21BR71C475ME01#	
	10 vuc	AI K	ΙΟμΓ	±10%	GRJ21BR71A106NE01#	
1.5mm	100Vdc	X7S	1.0µF	±20%	GRJ21BC72A105KE11#	
2.011111	100140	,(,)	4.0μι	±10%	GRJ21BC72A105NE11#	
				_20 /0		

Part number # indicates the package specification code.

GRJ Series High Dielectric Constant Type Part Number List

3.2×1.	.6mm					
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.95mm	100Vdc	X7R	0.10µF	±10%	GRJ319R72A104KE11#	
				±20%	GRJ319R72A104ME11#	
	50Vdc	X7R	0.10µF	±10%	GRJ319R71H104KE11#	
				±20%	GRJ319R71H104ME11#	
1.25mm	1000Vdc	X7R	470pF	±10%	GRJ31BR73A471KWJ1#	
			680pF	±10%	GRJ31BR73A681KWJ1#	
			1000pF	±10%	GRJ31BR73A102KWJ1#	
			1500pF	±10%	GRJ31BR73A152KWJ1#	
			2200pF	±10%	GRJ31BR73A222KWJ1#	
			3300pF	±10%	GRJ31BR73A332KWJ1#	
			4700pF	±10%	GRJ31BR73A472KWJ1#	
	630Vdc	X7R	1000pF	±10%	GRJ31BR72J102KWJ1#	
			1500pF	±10%	GRJ31BR72J152KWJ1#	
			2200pF	±10%	GRJ31BR72J222KWJ1#	
			3300pF	±10%	GRJ31BR72J332KWJ1#	
			4700pF	±10%	GRJ31BR72J472KWJ1#	
			6800pF	±10%	GRJ31BR72J682KWJ1#	
			10000pF	±10%	GRJ31BR72J103KWJ1#	
	250Vdc	X7R	15000pF	±10%	GRJ31BR72E153KWJ1#	
			22000pF	±10%	GRJ31BR72E223KWJ1#	
			68000pF	±10%	GRJ31BR72E683KWJ1#	
1.35mm	100Vdc	X7R	0.22µF	±10%	GRJ31MR72A224KE01#	
				±20%	GRJ31MR72A224ME01#	
	50Vdc	X7R	0.10µF	±10%	GRJ31MR71H104KE01#	
				±20%	GRJ31MR71H104ME01#	
			0.22µF	±10%	GRJ31MR71H224KE01#	
				±20%	GRJ31MR71H224ME01#	
			0.47µF	±10%	GRJ31MR71H474KE01#	
				±20%	GRJ31MR71H474ME01#	
			1.0µF	±10%	GRJ31MR71H105KE01#	
				±20%	GRJ31MR71H105ME01#	
	25Vdc	X7R	2.2µF	±10%	GRJ31MR71E225KE11#	
				±20%	GRJ31MR71E225ME11#	
	16Vdc	X7R	2.2µF	±10%	GRJ31MR71C225KE11#	
				±20%	GRJ31MR71C225ME11#	
1.8mm	1000Vdc	X7R	6800pF	±10%	GRJ31CR73A682KWJ3#	
			10000pF	±10%	GRJ31CR73A103KWJ3#	
	630Vdc	X7R	15000pF	±10%	GRJ31CR72J153KWJ3#	
			22000pF	±10%	GRJ31CR72J223KWJ3#	
	250Vdc	X7R	33000pF	±10%	GRJ31CR72E333KWJ3#	
			47000pF	±10%	GRJ31CR72E473KWJ3#	
			0.10µF	±10%	GRJ31CR72E104KWJ3#	
1.9mm	100Vdc	X7R	1.0µF	±10%	GRJ31CR72A105KE11#	
2.2.11111	10000		μ	±20%	GRJ31CR72A105ME11#	
	50Vdc	X7R	1.0µF	±10%	GRJ31CR71H105KE11#	
	30 vac	, AIN	Σ.Ομι	±20%	GRJ31CR71H105ME11#	
			2.2µF	±20%	GRJ31CR71H105ME11#	
			Ζ.ΖμΓ	±10%	GRJ31CR71H225KE11#	
			17			
			4.7µF	±10%	GRJ31CR71H475KE11#	
	3E//	Vec	1005	±20%	GRJ31CR71H475ME11#	
	35Vdc	X6S	10μF	±10% ±20%	GRJ31CC8YA106KE01# GRJ31CC8YA106ME01#	D1 D1

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.9mm	25Vdc	X7R	10µF	±10%	GRJ31CR71E106KE11#	
				±20%	GRJ31CR71E106ME11#	
	16Vdc	X7R	4.7µF	±10%	GRJ31CR71C475KE11#	
				±20%	GRJ31CR71C475ME11#	
			10µF	±10%	GRJ31CR71C106KE11#	
				±20%	GRJ31CR71C106ME11#	
	10Vdc	X7R	10µF	±10%	GRJ31CR71A106KE11#	
				±20%	GRJ31CR71A106ME11#	
			22µF	±10%	GRJ31CR71A226KE12#	
				±20%	GRJ31CR71A226ME12#	
	6.3Vdc	X7R 22μF	±10%	GRJ31CR70J226KE12#		
				±20%	GRJ31CR70J226ME12#	

3.2×2.5mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number													
1.5mm	1000Vdc	X7R	6800pF	±10%	GRJ32QR73A682KWJ1#													
			10000pF	±10%	GRJ32QR73A103KWJ1#													
	630Vdc	X7R	22000pF	±10%	GRJ32QR72J223KWJ1#													
	250Vdc	X7R	68000pF	±10%	GRJ32QR72E683KWJ1#													
			0.15µF	±10%	GRJ32QR72E154KWJ1#													
2.0mm	1000Vdc	X7R	15000pF	±10%	GRJ32DR73A153KWJ1#													
			22000pF	±10%	GRJ32DR73A223KWJ1#													
	630Vdc	X7R	33000pF	±10%	GRJ32DR72J333KWJ1#													
			47000pF	±10%	GRJ32DR72J473KWJ1#													
	250Vdc	X7R	0.10µF	±10%	GRJ32DR72E104KWJ1#													
			0.22µF	±10%	GRJ32DR72E224KWJ1#													
2.3mm	100Vdc	X7R	2.2µF	±10%	GRJ32DR72A225KE11#													
				±20%	GRJ32DR72A225ME11#													
		X7S	4.7µF	±10%	GRJ32DC72A475KE11#													
				±20%	GRJ32DC72A475ME11#													
2.8mm	50Vdc	X7R	4.7µF	±10%	GRJ32ER71H475KE11#	_												
																±20%	GRJ32ER71H475ME11#	_
			10µF	±10%	GRJ32ER71H106KE11#	_												
				±20%	GRJ32ER71H106ME11#													
		X7S	10µF	±10%	GRJ32EC71H106KE11#													
				±20%	GRJ32EC71H106ME11#													
	25Vdc	X7R	10µF	±10%	GRJ32ER71E106KE11#													
				±20%	GRJ32ER71E106ME11#													
	16Vdc	X7R	22µF	±10%	GRJ32ER71C226KE11#													
				±20%	GRJ32ER71C226ME11#													
	10Vdc	X7R	22µF	±10%	GRJ32ER71A226KE11#	_												
				±20%	GRJ32ER71A226ME11#	_												
			47µF	±10%	GRJ32ER71A476KE11#													
				±20%	GRJ32ER71A476ME11#													
	6.3Vdc	X7R	47µF	±10%	GRJ32ER70J476KE11#													
				±20%	GRJ32ER70J476ME11#													
2.85mm	25Vdc	X7S	22µF	±10%	GRJ32EC71E226KE11#													

GRJ Series High Dielectric Constant Type Part Number List

4.5×3.2mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.5mm	630Vdc	X7R	68000pF	±10%	GRJ43QR72J683KWJ1#	
	250Vdc	X7R	0.15µF	±10%	GRJ43QR72E154KWJ1#	
2.0mm	1000Vdc	X7R	33000pF	±10%	GRJ43DR73A333KWJ1#	
			47000pF	±10%	GRJ43DR73A473KWJ1#	
	630Vdc	X7R	0.10µF	±10%	GRJ43DR72J104KWJ1#	
	250Vdc	X7R	0.22µF	±10%	GRJ43DR72E224KWJ1#	
			0.33µF	±10%	GRJ43DR72E334KWJ1#	
			0.47µF	±10%	GRJ43DR72E474KWJ1#	

5.7×5.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
2.0mm	1000Vdc	X7R	68000pF	±10%	GRJ55DR73A683KWJ1#	
			0.10µF	±10%	GRJ55DR73A104KWJ1#	
	630Vdc	X7R	0.15µF	±10%	GRJ55DR72J154KWJ1#	
			0.22µF	±10%	GRJ55DR72J224KWJ1#	
	250Vdc	X7R	0.33µF	±10%	GRJ55DR72E334KWJ1#	
			0.47µF	±10%	GRJ55DR72E474KWJ1#	
			0.68µF	±10%	GRJ55DR72E684KWJ1#	
			1.0µF	±10%	GRJ55DR72E105KWJ1#	

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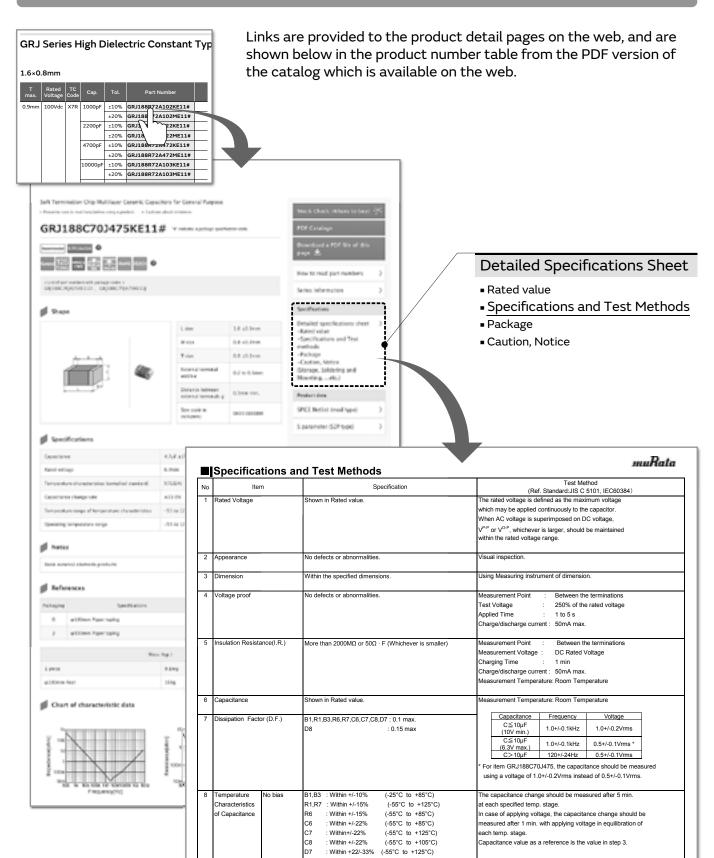
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GRJ Series Specifications and Test Methods

Specifications and Test Methods, please refer to the search web page. https://www.murata.com/en-global/products/capacitor



Within +22/-33% (-55°C to +105°C)

Measurement Voltage : 0.20+/-0.05Vrms Temperature(°C)

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KRM

Chip Multilayer Ceramic Capacitors for Ethernet LAN and Primary-secondary Coupling of DC-DC Converters

GR4 Series

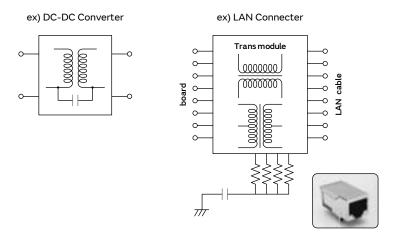




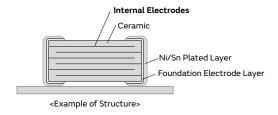
Size (L*W): 4.5x2.0mm - 5.7x5.0mm / X7R Char. / DC2kV Realized large capacity and small size while maintaining high withstand voltages by the multilayer structure.

Features

For information devices of Ethernet LAN (IEEE802.3.) and primary - secondary couplings of DC-DC converters.



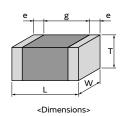
Realized large capacity and small size while maintaining high withstand voltages by the multilayer structure.



Dedicated for reflow soldering.

Specifications

Size (mm)	4.5×2.0mm to 5.7×5.0mm
Rated Voltage	2000Vdc
Capacitance	100pF to 10000pF
Main Applications	For Ethernet LAN, Primary-secondary coupling for DC-DC converters



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GR4 Series High Dielectric Constant Type Part Number List

4.5×2.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*		
1.5mm	2000Vdc	X7R	100pF	±10%	GR442QR73D101KW01#	p127		
			120pF	±10%	GR442QR73D121KW01#	p127		
			150pF	±10%	GR442QR73D151KW01#	p127		
			180pF	±10%	GR442QR73D181KW01#	p127		
			220pF	±10%	GR442QR73D221KW01#	p127		
			270pF	±10%	GR442QR73D271KW01#	p127		
			330pF	±10%	GR442QR73D331KW01#	p127		
			390pF	±10%	GR442QR73D391KW01#	p127		
			470pF	±10%	GR442QR73D471KW01#	p127		
			560pF	±10%	GR442QR73D561KW01#	p127		
			680pF	±10%	GR442QR73D681KW01#	p127		
			820pF	±10%	GR442QR73D821KW01#	p127		
			1000pF	±10%	GR442QR73D102KW01#	p127		
			1200pF	±10%	GR442QR73D122KW01#	p127		
			1500pF	±10%	GR442QR73D152KW01#	p127		

4.5×3.2mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.5mm	2000Vdc	X7R	1800pF	±10%	GR443QR73D182KW01#	p127
			2200pF	±10%	GR443QR73D222KW01#	p127
			2700pF	±10%	GR443QR73D272KW01#	p127
			3300pF	±10%	GR443QR73D332KW01#	p127
			3900pF	±10%	GR443QR73D392KW01#	p127
2.0mm	2000Vdc	X7R	4700pF	±10%	GR443DR73D472KW01#	p127

5.7×5.0mm

T max.	Rated Voltage		Cap.	Tol.	Part Number	p*
2.0mm	2000Vdc	X7R	10000pF	±10%	GR455DR73D103KW01#	p127

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GR4 Series Specifications and Test Methods (1)

				Test Method (Bef Steedard IIS 0 F101 IF0C0204)		
No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
1	Appearance		No defects or abnormalities. Visual inspection.			
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.		
3	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage Time DC2400V 60s AC1.5kV (r.m.s) 60s Charge/discharge current: 50mA max.		
4	Impulse Volta	ge	No self healing break downs or flash-overs have taken place in the capacitor.	10 impulse of alternating polarity is subjected. (5 impulse for each polarity) The interval between impulse is 60s. Applied Pulse: 1.2/50µs Applied Voltage: 2.5kVo-p		
5	Insulation Res	sistance (I.R.)	6000MΩ or more	Measurement Point: Between the terminations Measurement Voltage: DC500±50V Charging Time: 60±5s Measurement Temperature: Room Temperature		
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature		
7	Dissipation Fa	actor (D.F.)	0.025 max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2V (r.m.s.)		
8	Temperature Characteristics of Capacitance		R7: Within ±15% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in		
		Capacitance	Within the specified initial value.	"Complement of Test Method". Kind of Vibration: A simple harmonic motion		
9	Vibration D.F.		Within the specified initial value.	10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).		
10) Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt) % Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.		
	Appearance		No defects or abnormalities.	Test Method: Solder bath method		
		Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s		
	Resistance to	D.F.	Within the specified initial value.	Immersing in speed: 25±2.5mm/s.		
11	Soldering	I.R.	1000M Ω or more	Exposure Time: 24±2h. at room condition *. Preheat: GR442 size min.: 100 to 120°C for 1min		
	Heat	Voltage Proof	No defects.	and 170 to 200°C for 1min • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h. at room condition *.		

 $^{{}^*\,}Room\,Condition; Temperature:\,15\,to\,35^\circ C,\,Relative\,humidity:\,45\,to\,75\%,\,Atmosphere\,pressure:\,86\,to\,106 kPaintenance and the conditions of the condition

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GR4 Series Specifications and Test Methods (1)

Continued from the preceding page.

No	Adhesive Strength		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
12			No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.		
13	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy		
	Capacitance Change		Within ±15%	board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table.		
		D.F.	0.05 max.	Step Temp. (°C) Time (min)		
	Temperature Sudden Change	I.R.	3000MΩ or more	1 Min. Operating Temp. +0/-3 30±3		
14		Voltage Proof	No defects.	2 Room Temp 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp 2 to 3 Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h. at room condition *.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epo:		
	Humidity	Capacitance Change Within ±15%		board) shown in "Complement of Test Method". Test Temperature: 40±2°C Test Humidity: 90 to 95%RH		
15		D.F.	0.05 max.	Test Time: 500+24/-0h.		
	State)	I.R.	1000MΩ or more	Exposure Time: 24±2h. at room condition *. • Pretreatment		
		Voltage Proof	No defects.	Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy		
		Capacitance Change	Within ±20%	board) shown in "Complement of Test Method". Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000+48/-0h		
16	Durability	D.F.	0.05 max.	Applied Voltage: DC2.2kV (110% of the rated voltage)		
	,	I.R.	2000 M Ω or more	Charge/discharge current: 50mA max. Exposure Time: 24±2h at room condition*.		
		Voltage Proof	No defects.	Pretreatment Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.		

^{*} Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

Continued on the following page. \nearrow

GR4 Series Specifications and Test Methods (1)

Continued from the preceding page.

Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

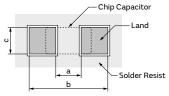
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

(1) Test Substrate A

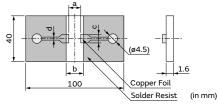
Land Dimensions



Part Number	Dimension (mm)				
Part Number	a	ь	С		
GR442	3.5	7.0	2.4		
GR443	3.5	7.0	3.7		
GR455	4.5	8.0	5.6		

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

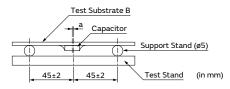


Part Number	Dimension (mm)					
Part Number	a	b	С	d		
GR442	3.5	7.0	2.4	1.0		
GR443	3.5	7.0	3.7	1.0		
GR455	4.5	8.0	5.6	1.0		

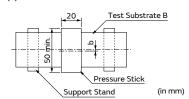
- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

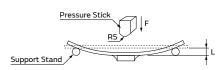
(a) Support State



(b) Test State



- a: ± 2 gap between support stand center and test stand
- b: ±5 gap between support stand center and test stand center
- Material of Test Stand and Pressure Stick
 - The material shoud be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



GR7 Series

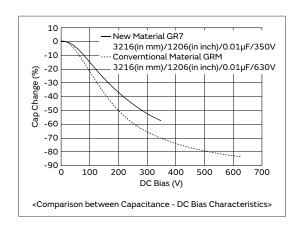


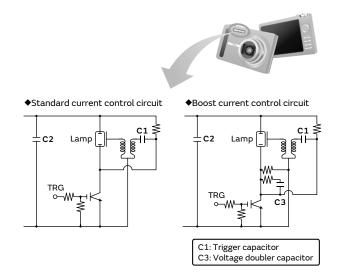
Chip Multilayer Ceramic Capacitors for Camera Flash circuit only

Limited to camera flashes. Ideal for trigger capacitors and voltage doubler capacitors!

Features

Ideal for the trigger of flash circuits, as a higher capacitance can be acquired compared to conventional products (X7R characteristics) when a DC bias is applied.

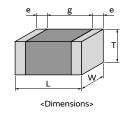




Contributes to the miniaturization of cameras with the low profile.

Specifications

Size (mm)	2.0×1.25mm to 3.2×1.6mm
Rated Voltage	350Vdc
Capacitance	10000pF to 47000pF
Main Applications	For camera flash



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GR7 Series High Dielectric Constant Type Part Number List

2.0×1.25mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.0mm	350Vdc	X7T	10000pF	±10%	GR721AW0BB103KW01#	p132
			15000pF	±10%	GR721AW0BB153KW01#	p132
1.45mm	350Vdc	X7T	22000pF	±10%	GR721BW0BB223KW03#	p132
			27000pF	±10%	GR721BW0BB273KW03#	p132

3.2×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.0mm	350Vdc	X7T	10000pF	±10%	GR731AW0BB103KW01#	p132
			15000pF	±10%	GR731AW0BB153KW01#	p132
			22000pF	±10%	GR731AW0BB223KW01#	p132
			27000pF	±10%	GR731AW0BB273KW01#	p132
			33000pF	±10%	GR731AW0BB333KW01#	p132
1.25mm	350Vdc	X7T	22000pF	±10%	GR731BW0BB223KW01#	p132
			33000pF	±10%	GR731BW0BB333KW01#	p132
1.8mm	350Vdc	X7T	47000pF	±10%	GR731CW0BB473KW03#	p132

GRM

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GR4

GA2

GA3 GB

GD C

GA3 GF

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XRΜ

KR3

GMA

GMD

GR7 Series Specifications and Test Methods (1)

lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
Appearance		No defects or abnormalities.	Visual inspection.		
Dimension		Within the specified dimensions.	Using calipers and micrometers.		
Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: DC500V Applied Time: 1 to 5s Charge/discharge current: 50mA max.		
	Appearance	No defects or abnormalities.	Test temperature: 25°C		
	Capacitance Change	Within ±15%	Discharge voltage: below figure Discharge cycle: 100k cycle Discharge frequency: 100Hz		
	D.F.	0.05 max.	Exposure Time: 24±2h at room condition*.		
Charge and	I.R.	$C \ge 0.01 \mu F: 10 M \Omega \cdot \mu F \text{ or more}$ $C < 0.01 \mu F: 1000 M \Omega \text{ or more}$	350V 1 cycle 700Vpp		
Cycle	Voltage Proof	No defects.	• Pretreatment Apply test voltage (DC350V) for 1h±5min at test temperature.		
Insulation Resistance (I.R.)		C ≧ 0.01μF: 100MΩ • μF or more C < 0.01μF: 10000MΩ or more	Remove and let sit for 24±2h at room condition*. Measurement Point: Between the terminations Measurement Voltage: DC250±25V Charging Time: 60±5s		
		Sharrin Bata darahar	Measurement Temperature: Room Temperature		
			Measurement Temperature:Room Temperature Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2kV (rm.s.)		
			Measurement Voltage: AC1.0±0.2V (r.m.s.) The capacitance change should be measured after 5 minutes at		
	140 Dias	vvo. vvidiiii +227-3378 (-33 to +123 c)	each specified temp. stage.		
Temperature Characteristics of Capacitance	Apply DC350V Bias	W0: Within ±10% (-55 to +125°C)	Capacitance value as a reference is the value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2		
			Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
	Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in		
	Capacitance	Within the specified initial value.	"Complement of Test Method". Kind of Vibration: A simple harmonic motion		
Vibration	D.F.	Within the specified initial value.	10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).		
D Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.		
	Appearance	No defects or abnormalities.	Test Method: Solder bath method		
Resistance	Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s		
to	D.F.	Within the specified initial value.	Immersing in speed: 25±2.5mm/s.		
Soldering Heat	I.R.	Within the specified initial value.	Exposure Time: 24±2h at room condition*. Preheat: GR731 size max.: 120 to 150°C for 1min		
	Voltage Proof	No defects.	• Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
	Appearance Dimension Voltage Proof Charge and Discharge Cycle Insulation Res Capacitance Dissipation Fa Temperature Characteristics of Capacitance Vibration Solderability Resistance to Soldering	Dimension Voltage Proof Appearance Capacitance Change D.F. I.R. Insulation Resistance (I.R.) Capacitance Dissipation Factor (D.F.) No Bias Temperature Characteristics of Capacitance Of Capacitance Vibration D.F. Solderability Appearance Capacitance Capacitance Capacitance D.F. Soldering Heat Appearance Capacitance Change D.F. I.R. Voltage	Appearance No defects or abnormalities.		

 $^{{\}rm ^*\,Room\,Condition:\,Temperature:\,15\,to\,35^\circ C,\,Relative\,humidity:\,45\,to\,75\%,\,Atmosphere\,pressure:\,86\,to\,106 kPa}$

GR7 Series Specifications and Test Methods (1)

Continued from the preceding page.

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
12	Adhesive Strength of Termination Substrate Bending Test		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.		
13			No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy		
	Temperature Sudden Change	Capacitance Change	Within ±7.5%	board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table.		
		D.F.	Within the specified initial value.	Step Temp. (°C) Time (min)		
		I.R.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3		
14		Voltage Proof	No defects.	2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epo:		
	High	Capacitance Change	Within ±15%	board) shown in "Complement of Test Method". Test Temperature: 40±2°C Test Humidity: 90 to 95%RH		
4-	Temperature	D.F.	0.05 max.	Test Time: 500+24/-0h		
15	High Humidity (Steady)	I.R.	$C \ge 0.01 \mu F$: $10 M \Omega \cdot \mu F$ or more $C < 0.01 \mu F$: $1000 M \Omega$ or more	Applied Voltage: DC Rated Voltage Exposure Time: 24±2h at room condition*. • Pretreatment		
		Voltage Proof	No defects.	Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting Test substrate A (glass epoxy		
		Capacitance Change	Within ±15%	board) shown in "Complement of Test Method". Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000+48/-0h		
16	Durability	D.F.	0.05 max.	Applied Voltage: DC350V		
_5		I.R.	$C \ge 0.01 \mu F$: $10 M \Omega \cdot \mu F$ or more $C < 0.01 \mu F$: $1000 M \Omega$ or more	Charge/discharge current: 50mA max. Exposure Time: 24±2h at room condition*. • Pretreatment		
		Voltage Proof	No defects.	Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition*.		

^{*} Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

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KR3

GR7 Series Specifications and Test Methods (1)

Continued from the preceding page.

Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

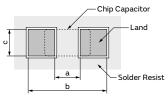
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

(1) Test Substrate A

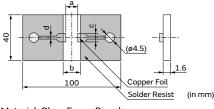
Land Dimensions



Part Number	Dimension (mm)						
Part Number	a	ь	С				
GR721	1.2	4.0	1.65				
GR731	2.2	5.0	2.0				

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

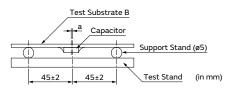


Part Number	Dimension (mm)						
Part Number	a	b	С	d			
GR721	1.2	4.0	1.65	1.0			
GR731	2.2	5.0	2.0	1.0			

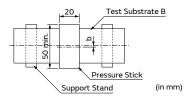
- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

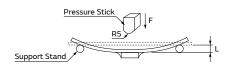
(a) Support State



(b) Test State



- a: ±2 gap between support stand center and test stand
- b: ± 5 gap between support stand center and test stand center
- Material of Test Stand and Pressure Stick
- The material should be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



GJM Series





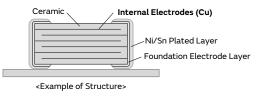


This product improves the high frequency characteristics and contributes to a reduction of power consumption by the High Q and low ESR.

Features

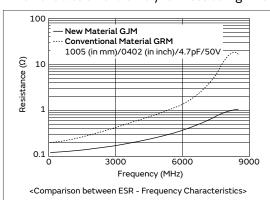
Mainly ideal for mobile communication devices and temperature compensation of related modules.

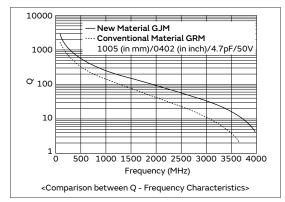
This product is ideal for temperature compensation of high frequency circuits, such as resonant circuits, tuning circuits, and impedance matching circuits where the operating characteristics of the device are greatly affected by the capacitance fluctuation.



High Q and low ESR in VHF, UHF and microwave frequency bands.

High Q and low ESR were achieved at a high frequency by adopting ceramic material as the dielectric material which enables an extremely low loss at high frequency, and base metal electrodes as the internal electrodes.





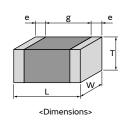
(3) Can be used for tight tolerance.

In addition to standard tolerance, the allowable range of this product is also suitable for the following tight tolerance.

Capacitance Range	Standard Capacitance Tolerance (Capacitance Tolerance Symbol)	Narrow Capacitance Tolerance (Capacitance Tolerance Symbol)
to 0.9pF	±0.1pF (B)	±0.05pF (W)
1.0 to 5.0pF	±0.25pF (C)	±0.05pF (W), ±0.1pF (B)
5.1 to 9.9pF	±0.5pF (D)	±0.05pF (W), ±0.1pF (B), ±0.25pF (C)
10pF to	±5% (J)	±2% (G)

Specifications

Size (mm)	0.4×0.2mm to 1.0×0.5mm
Rated Voltage	6.3Vdc to 50Vdc
Capacitance	0.10pF to 47pF
Main Applications	Small communication devices, such as mobile phones and high frequency communication modules



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GR4

NFM

GA2

GJM Series Temperature Compensating Type Part Number List

0.4×0.2mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*	
.22mm	25Vdc	COG	0.20pF	±0.05pF	GJM0225C1ER20WB01#	p157	
				±0.1pF	GJM0225C1ER20BB01#	p157	
			0.30pF	±0.05pF	GJM0225C1ER30WB01#	p157	
				±0.1pF	GJM0225C1ER30BB01#	p157	
			0.40pF	±0.05pF	GJM0225C1ER40WB01#	p157	
				±0.1pF	GJM0225C1ER40BB01#	p157	
			0.50pF	±0.05pF	GJM0225C1ER50WB01#	p157	
				±0.1pF	GJM0225C1ER50BB01#	p157	
			0.60pF	±0.05pF	GJM0225C1ER60WB01#	p157	
				±0.1pF	GJM0225C1ER60BB01#	p157	
			0.70pF	±0.05pF	GJM0225C1ER70WB01#	p157	
				±0.1pF	GJM0225C1ER70BB01#	p157	
			0.80pF	-	GJM0225C1ER80WB01#	p157	
			0.90pF	±0.1pF	GJM0225C1ER80BB01#	p157	
				· ·	GJM0225C1ER90WB01#	p157	
			·	±0.1pF	GJM0225C1ER90BB01#	p157	
			1.0pF	-	GJM0225C1E1R0WB01#	p157	
			·	±0.1pF	GJM0225C1E1R0BB01#	p157	
				· ·	GJM0225C1E1R0CB01#	p157	
			1.1pF	· ·	GJM0225C1E1R1WB01#	p157	
			1.26.	±0.1pF	GJM0225C1E1R1BB01#	p157	
				±0.25pF	GJM0225C1E1R1CB01#	p157	
			1.2pF	· ·	GJM0225C1E1R2WB01#	p157	
				±0.1pF	GJM0225C1E1R2BB01#	p157	
					GJM0225C1E1R2CB01#	p157	
			1.3pF	±0.05pF		p157	
				±0.1pF	GJM0225C1E1R3BB01#	p157	
						-	GJM0225C1E1R3CB01#
			1.4pF	· ·	GJM0225C1E1R4WB01#	p157	
				±0.1pF	GJM0225C1E1R4BB01#	p157	
				±0.25pF		p157	
			1.5pF		GJM0225C1E1R5WB01#	p157	
			1.06.	±0.1pF		p157	
					GJM0225C1E1R5CB01#	p157	
			1.6pF	-		p157	
			1.001	±0.1pF	GJM0225C1E1R6BB01#	p157	
					GJM0225C1E1R6CB01#	p157	
			1.7pF	-		p157	
			1.7 βι	±0.1pF	GJM0225C1E1R7BB01#	p157	
					GJM0225C1E1R7CB01#	p157	
			1.8pF	· ·		-	
			1.6рг			p157	
				±0.1pF	GJM0225C1E1R8BB01#	p157	
			10-5	-	GJM0225C1E1R8CB01#	p157	
			1.9pF		GJM0225C1E1R9WB01#	p157	
				±0.1pF	GJM0225C1E1R9BB01#	p157	
			20-5	-	GJM0225C1E1R9CB01#	p157	
			2.0pF		GJM0225C1E2R0WB01#	p157	
				±0.1pF	GJM0225C1E2R0BB01#	p157	
			0	-	GJM0225C1E2R0CB01#	p157	
			2.1pF	-		p157	
		1		±0.1pF	GJM0225C1E2R1BB01#	p157	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.22mm	25Vdc	COG	2.2pF	+0.05pE	GJM0225C1E2R2WB01#	p157
0.2211111	25740	cou	2.201	±0.1pF	GJM0225C1E2R2BB01#	p157
					GJM0225C1E2R2CB01#	p157
			2.3pF	· ·	GJM0225C1E2R3WB01#	p157
			2.06.		GJM0225C1E2R3BB01#	p157
					GJM0225C1E2R3CB01#	p157
			2.4pF	· ·	GJM0225C1E2R4WB01#	p157
				±0.1pF	GJM0225C1E2R4BB01#	p157
				±0.25pF	GJM0225C1E2R4CB01#	p157
			2.5pF		GJM0225C1E2R5WB01#	p157
				±0.1pF	GJM0225C1E2R5BB01#	p157
				±0.25pF	GJM0225C1E2R5CB01#	p157
			2.6pF	±0.05pF	GJM0225C1E2R6WB01#	p157
				±0.1pF	GJM0225C1E2R6BB01#	p157
				±0.25pF	GJM0225C1E2R6CB01#	p157
			2.7pF	±0.05pF	GJM0225C1E2R7WB01#	p157
				±0.1pF	GJM0225C1E2R7BB01#	p157
				±0.25pF	GJM0225C1E2R7CB01#	p157
			2.8pF	±0.05pF	GJM0225C1E2R8WB01#	p157
				±0.1pF	GJM0225C1E2R8BB01#	p157
				±0.25pF	GJM0225C1E2R8CB01#	p157
			2.9pF	±0.05pF	GJM0225C1E2R9WB01#	p157
				±0.1pF	GJM0225C1E2R9BB01#	p157
				±0.25pF	GJM0225C1E2R9CB01#	p157
			3.0pF	±0.05pF	GJM0225C1E3R0WB01#	p157
				±0.1pF	GJM0225C1E3R0BB01#	p157
				±0.25pF	GJM0225C1E3R0CB01#	p157
			3.1pF	±0.05pF	GJM0225C1E3R1WB01#	p157
				±0.1pF	GJM0225C1E3R1BB01#	p157
				±0.25pF	GJM0225C1E3R1CB01#	p157
			3.2pF	±0.05pF	GJM0225C1E3R2WB01#	p157
				±0.1pF	GJM0225C1E3R2BB01#	p157
				±0.25pF	GJM0225C1E3R2CB01#	p157
			3.3pF		GJM0225C1E3R3WB01#	p157
					GJM0225C1E3R3BB01#	p157
				· ·	GJM0225C1E3R3CB01#	p157
			3.4pF		GJM0225C1E3R4WB01#	p157
					GJM0225C1E3R4BB01#	p157
			25.5		GJM0225C1E3R4CB01#	p157
			3.5pF	<u> </u>	GJM0225C1E3R5WB01#	p157
				±0.1pF	GJM0225C1E3R5BB01#	p157
			26-5		GJM0225C1E3R5CB01#	p157
			3.6pF		GJM0225C1E3R6WB01#	p157
					GJM0225C1E3R6BB01#	p157
			3.7pF	-	GJM0225C1E3R6CB01# GJM0225C1E3R7WB01#	p157
			3.7 pr	-	GJM0225C1E3R7WB01#	p157
					GJM0225C1E3R7CB01#	p157
			3.8pF	-	GJM0225C1E3R8WB01#	p157
					GJM0225C1E3R8BB01#	p157
					GJM0225C1E3R8CB01#	p157
			3.9pF	-	GJM0225C1E3R9WB01#	p157
			•	±0.1pF	GJM0225C1E3R9BB01#	p157
				-	GJM0225C1E3R9CB01#	p157
			- ·	abor # indi		<u> </u>

GJM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)							
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*	
0.22mm	25Vdc	COG	4.0pF	±0.05pF	GJM0225C1E4R0WB01#	p157	
				±0.1pF	GJM0225C1E4R0BB01#	p157	
				±0.25pF	GJM0225C1E4R0CB01#	p157	
			4.1pF	±0.05pF	GJM0225C1E4R1WB01#	p157	
				±0.1pF	GJM0225C1E4R1BB01#	p157	
				±0.25pF	GJM0225C1E4R1CB01#	p157	
			4.2pF	±0.05pF	GJM0225C1E4R2WB01#	p157	
				±0.1pF	GJM0225C1E4R2BB01#	p157	
				±0.25pF	GJM0225C1E4R2CB01#	p157	
			4.3pF	±0.05pF	GJM0225C1E4R3WB01#	p157	
				±0.1pF	GJM0225C1E4R3BB01#	p157	
				±0.25pF	GJM0225C1E4R3CB01#	p157	
			4.4pF	±0.05pF	GJM0225C1E4R4WB01#	p157	
				±0.1pF	GJM0225C1E4R4BB01#	p157	
				±0.25pF	GJM0225C1E4R4CB01#	p157	
			4.5pF	±0.05pF	GJM0225C1E4R5WB01#	p157	
				±0.1pF	GJM0225C1E4R5BB01#	p157	
				±0.25pF	GJM0225C1E4R5CB01#	p157	
			4.6pF	±0.05pF	GJM0225C1E4R6WB01#	p157	
				±0.1pF	GJM0225C1E4R6BB01#	p157	
				±0.25pF	GJM0225C1E4R6CB01#	p157	
			4.7pF	±0.05pF	GJM0225C1E4R7WB01#	p157	
				±0.1pF	GJM0225C1E4R7BB01#	p157	
				±0.25pF	GJM0225C1E4R7CB01#	p157	
			4.8pF	· ·	GJM0225C1E4R8WB01#	p157	
				±0.1pF	GJM0225C1E4R8BB01#	p157	
			40.5		GJM0225C1E4R8CB01#	p157	
			4.9pF	· ·	GJM0225C1E4R9WB01#	p157	
				±0.1pF ±0.25pF	GJM0225C1E4R9BB01# GJM0225C1E4R9CB01#	p157	
			5.0pF	-	GJM0225C1E5R0WB01#	p157	
			3.0рі	±0.1pF	GJM0225C1E5R0BB01#	p157	
				<u> </u>	GJM0225C1E5R0CB01#	p157	
			5.1pF		GJM0225C1E5R1WB01#	p157	
			0.14.	-	GJM0225C1E5R1BB01#	p157	
				-	GJM0225C1E5R1CB01#	p157	
					GJM0225C1E5R1DB01#	p157	
			5.2pF	· ·	GJM0225C1E5R2WB01#	p157	
				±0.1pF	GJM0225C1E5R2BB01#	p157	
					GJM0225C1E5R2CB01#	p157	
				±0.5pF	GJM0225C1E5R2DB01#	p157	
			5.3pF		GJM0225C1E5R3WB01#	p157	
				±0.1pF	GJM0225C1E5R3BB01#	p157	
				-	GJM0225C1E5R3CB01#	p157	
				±0.5pF	GJM0225C1E5R3DB01#	p157	
			5.4pF	±0.05pF	GJM0225C1E5R4WB01#	p157	
				±0.1pF	GJM0225C1E5R4BB01#	p157	
				±0.25pF	GJM0225C1E5R4CB01#	p157	
				±0.5pF	GJM0225C1E5R4DB01#	p157	
			5.5pF	±0.05pF	GJM0225C1E5R5WB01#	p157	
				±0.1pF	GJM0225C1E5R5BB01#	p157	
				±0.25pF	GJM0225C1E5R5CB01#	p157	
				±0.5pF	GJM0225C1E5R5DB01#	p157	
			5.6pF	±0.05pF	GJM0225C1E5R6WB01#	p157	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.22mm	25Vdc	COG	5.6pF	±0.1pF	GJM0225C1E5R6BB01#	p157
				±0.25pF	GJM0225C1E5R6CB01#	p157
				±0.5pF	GJM0225C1E5R6DB01#	p157
			5.7pF	±0.05pF	GJM0225C1E5R7WB01#	p157
				±0.1pF	GJM0225C1E5R7BB01#	p157
				±0.25pF	GJM0225C1E5R7CB01#	p157
				±0.5pF	GJM0225C1E5R7DB01#	p157
			5.8pF	±0.05pF	GJM0225C1E5R8WB01#	p157
				±0.1pF	GJM0225C1E5R8BB01#	p157
				±0.25pF	GJM0225C1E5R8CB01#	p157
				±0.5pF	GJM0225C1E5R8DB01#	p157
			5.9pF	±0.05pF	GJM0225C1E5R9WB01#	p157
				±0.1pF	GJM0225C1E5R9BB01#	p157
				±0.25pF	GJM0225C1E5R9CB01#	p157
				±0.5pF	GJM0225C1E5R9DB01#	p157
			6.0pF	±0.05pF	GJM0225C1E6R0WB01#	p157
				±0.1pF	GJM0225C1E6R0BB01#	p157
				±0.25pF	GJM0225C1E6R0CB01#	p157
				±0.5pF	GJM0225C1E6R0DB01#	p157
			6.1pF	±0.05pF	GJM0225C1E6R1WB01#	p157
				±0.1pF	GJM0225C1E6R1BB01#	p157
				±0.25pF	GJM0225C1E6R1CB01#	p157
				±0.5pF	GJM0225C1E6R1DB01#	p157
			6.2pF	±0.05pF	GJM0225C1E6R2WB01#	p157
				±0.1pF	GJM0225C1E6R2BB01#	p157
				±0.25pF	GJM0225C1E6R2CB01#	p157
				±0.5pF	GJM0225C1E6R2DB01#	p157
			6.3pF	±0.05pF	GJM0225C1E6R3WB01#	p157
				±0.1pF	GJM0225C1E6R3BB01#	p157
				±0.25pF	GJM0225C1E6R3CB01#	p157
				±0.5pF	GJM0225C1E6R3DB01#	p157
			6.4pF	±0.05pF	GJM0225C1E6R4WB01#	p157
				±0.1pF	GJM0225C1E6R4BB01#	p157
				±0.25pF	GJM0225C1E6R4CB01#	p157
				±0.5pF	GJM0225C1E6R4DB01#	p157
			6.5pF	±0.05pF	GJM0225C1E6R5WB01#	p157
				±0.1pF	GJM0225C1E6R5BB01#	p157
				±0.25pF	GJM0225C1E6R5CB01#	p157
				±0.5pF	GJM0225C1E6R5DB01#	p157
			6.6pF	±0.05pF	GJM0225C1E6R6WB01#	p157
				±0.1pF	GJM0225C1E6R6BB01#	p157
				±0.25pF	GJM0225C1E6R6CB01#	p157
				±0.5pF	GJM0225C1E6R6DB01#	p157
			6.7pF	±0.05pF	GJM0225C1E6R7WB01#	p157
				±0.1pF	GJM0225C1E6R7BB01#	p157
				±0.25pF	GJM0225C1E6R7CB01#	p157
				±0.5pF	GJM0225C1E6R7DB01#	p157
			6.8pF	-	GJM0225C1E6R8WB01#	p157
				±0.1pF	GJM0225C1E6R8BB01#	p157
				±0.25pF	GJM0225C1E6R8CB01#	p157
				±0.5pF	GJM0225C1E6R8DB01#	p157
			6.9pF	±0.05pF	GJM0225C1E6R9WB01#	p157
				±0.1pF	GJM0225C1E6R9BB01#	p157
				±0.25pF	GJM0225C1E6R9CB01#	p157

Part number # indicates the package specification code.

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 $\mbox{\ensuremath{\raisebox{.4ex}{\star}}}\colon \mbox{\ensuremath{\mbox{Refers}}}$ to the page of the "Specifications and Test Methods".

GJM Series Temperature Compensating Type Part Number List

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	р*
.22mm	25Vdc	COG	6.9pF	±0.5pF	GJM0225C1E6R9DB01#	p157
			7.0pF	±0.05pF	GJM0225C1E7R0WB01#	p157
				±0.1pF	GJM0225C1E7R0BB01#	p157
				±0.25pF	GJM0225C1E7R0CB01#	p157
				±0.5pF	GJM0225C1E7R0DB01#	p157
			7.1pF	±0.05pF	GJM0225C1E7R1WB01#	p157
				±0.1pF	GJM0225C1E7R1BB01#	p157
				±0.25pF	GJM0225C1E7R1CB01#	p157
				±0.5pF	GJM0225C1E7R1DB01#	p157
			7.2pF	±0.05pF	GJM0225C1E7R2WB01#	p157
				±0.1pF	GJM0225C1E7R2BB01#	p157
				±0.25pF	GJM0225C1E7R2CB01#	p157
				±0.5pF	GJM0225C1E7R2DB01#	p157
			7.3pF	±0.05pF	GJM0225C1E7R3WB01#	p157
				±0.1pF	GJM0225C1E7R3BB01#	p157
				±0.25pF	GJM0225C1E7R3CB01#	p157
				±0.5pF	GJM0225C1E7R3DB01#	p157
			7.4pF	-	GJM0225C1E7R4WB01#	p157
			•	±0.1pF	GJM0225C1E7R4BB01#	p157
				· ·	GJM0225C1E7R4CB01#	p157
				±0.5pF	GJM0225C1E7R4DB01#	p157
			7.5pF	±0.05pF	GJM0225C1E7R5WB01#	p157
			ор.	±0.1pF	GJM0225C1E7R5BB01#	p157
				±0.25pF	GJM0225C1E7R5CB01#	p157
		_		±0.5pF	GJM0225C1E7R5DB01#	p157
			7.6nE	· ·		-
			7.6pF	±0.05pF	GJM0225C1E7R6WB01#	p157
				±0.1pF	GJM0225C1E7R6BB01#	p157
					GJM0225C1E7R6CB01#	p157
				±0.5pF	GJM0225C1E7R6DB01#	p157
			7.7pF	±0.05pF	GJM0225C1E7R7WB01#	p157
				±0.1pF	GJM0225C1E7R7BB01#	p157
				±0.25pF	GJM0225C1E7R7CB01#	p157
				±0.5pF	GJM0225C1E7R7DB01#	p157
			7.8pF	±0.05pF	GJM0225C1E7R8WB01#	p157
				±0.1pF	GJM0225C1E7R8BB01#	p157
				±0.25pF	GJM0225C1E7R8CB01#	p157
				±0.5pF	GJM0225C1E7R8DB01#	p157
			7.9pF	±0.05pF	GJM0225C1E7R9WB01#	p157
				±0.1pF	GJM0225C1E7R9BB01#	p157
				±0.25pF	GJM0225C1E7R9CB01#	p157
				±0.5pF	GJM0225C1E7R9DB01#	p157
			8.0pF	±0.05pF	GJM0225C1E8R0WB01#	p157
				±0.1pF	GJM0225C1E8R0BB01#	p157
				±0.25pF	GJM0225C1E8R0CB01#	p157
				±0.5pF	GJM0225C1E8R0DB01#	p157
			8.1pF	-	GJM0225C1E8R1WB01#	p157
			P ·	±0.1pF	GJM0225C1E8R1BB01#	p157
					GJM0225C1E8R1CB01#	p157
			0 2	±0.5pF	GJM0225C1E8R1DB01#	p157
			8.2pF		GJM0225C1E8R2WB01#	p157
				±0.1pF	GJM0225C1E8R2BB01#	p157
					GJM0225C1E8R2CB01#	p157
				±0.5pF	GJM0225C1E8R2DB01#	p157
			8.3pF	±0.05pF	GJM0225C1E8R3WB01#	p157

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.22mm	25Vdc	COG	8.3pF	±0.1pF	GJM0225C1E8R3BB01#	p157
0.2211111	25740	Cou	0.5рі	-	GJM0225C1E8R3CB01#	p157
					GJM0225C1E8R3DB01#	p157
			8.4pF		GJM0225C1E8R4WB01#	p157
			0трі	±0.1pF	GJM0225C1E8R4BB01#	p157
					GJM0225C1E8R4CB01#	p157
				<u> </u>	GJM0225C1E8R4DB01#	p157
			8.5pF		GJM0225C1E8R5WB01#	p157
				±0.1pF	GJM0225C1E8R5BB01#	p157
				-	GJM0225C1E8R5CB01#	p157
				±0.5pF	GJM0225C1E8R5DB01#	p157
			8.6pF		GJM0225C1E8R6WB01#	p157
				±0.1pF	GJM0225C1E8R6BB01#	p157
					GJM0225C1E8R6CB01#	p157
				- '	GJM0225C1E8R6DB01#	p157
			8.7pF		GJM0225C1E8R7WB01#	p157
			٢٠	±0.1pF	GJM0225C1E8R7BB01#	p157
					GJM0225C1E8R7CB01#	p157
					GJM0225C1E8R7DB01#	p157
			8.8pF		GJM0225C1E8R8WB01#	p157
				±0.1pF	GJM0225C1E8R8BB01#	p157
					GJM0225C1E8R8CB01#	p157
				±0.5pF	GJM0225C1E8R8DB01#	p157
			8.9pF	±0.05pF	GJM0225C1E8R9WB01#	p157
				±0.1pF	GJM0225C1E8R9BB01#	p157
				±0.25pF	GJM0225C1E8R9CB01#	p157
				±0.5pF	GJM0225C1E8R9DB01#	p157
			9.0pF	±0.05pF	GJM0225C1E9R0WB01#	p157
				±0.1pF	GJM0225C1E9R0BB01#	p157
				±0.25pF	GJM0225C1E9R0CB01#	p157
				±0.5pF	GJM0225C1E9R0DB01#	p157
			9.1pF	±0.05pF	GJM0225C1E9R1WB01#	p157
				±0.1pF	GJM0225C1E9R1BB01#	p157
				±0.25pF	GJM0225C1E9R1CB01#	p157
				±0.5pF	GJM0225C1E9R1DB01#	p157
			9.2pF	±0.05pF	GJM0225C1E9R2WB01#	p157
				±0.1pF	GJM0225C1E9R2BB01#	p157
				±0.25pF	GJM0225C1E9R2CB01#	p157
				±0.5pF	GJM0225C1E9R2DB01#	p157
			9.3pF	±0.05pF	GJM0225C1E9R3WB01#	p157
				±0.1pF	GJM0225C1E9R3BB01#	p157
				±0.25pF	GJM0225C1E9R3CB01#	p157
				±0.5pF	GJM0225C1E9R3DB01#	p157
			9.4pF		GJM0225C1E9R4WB01#	p157
				±0.1pF	GJM0225C1E9R4BB01#	p157
					GJM0225C1E9R4CB01#	p157
			0 = =		GJM0225C1E9R4DB01#	p157
			9.5pF		GJM0225C1E9R5WB01#	p157
				±0.1pF	GJM0225C1E9R5BB01#	p157
					GJM0225C1E9R5CB01#	p157
			0.0-5	±0.5pF	GJM0225C1E9R5DB01#	p157
			9.6pF		GJM0225C1E9R6WB01#	p157
				±0.1pF	GJM0225C1E9R6BB01#	p157
				±0.25pF	GJM0225C1E9R6CB01#	p157

GJM Series Temperature Compensating Type Part Number List

(→ 0.4×	0.2mm	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.22mm	25Vdc	COG	9.6pF	±0.5pF	GJM0225C1E9R6DB01#	p157
			9.7pF	±0.05pF	GJM0225C1E9R7WB01#	p157
				±0.1pF	GJM0225C1E9R7BB01#	p157
				±0.25pF	GJM0225C1E9R7CB01#	p157
				±0.5pF	GJM0225C1E9R7DB01#	p157
			9.8pF	±0.05pF	GJM0225C1E9R8WB01#	p157
				±0.1pF	GJM0225C1E9R8BB01#	p157
				±0.25pF	GJM0225C1E9R8CB01#	p157
				±0.5pF	GJM0225C1E9R8DB01#	p157
			9.9pF	±0.05pF	GJM0225C1E9R9WB01#	p157
				±0.1pF	GJM0225C1E9R9BB01#	p157
				±0.25pF	GJM0225C1E9R9CB01#	p157
				±0.5pF	GJM0225C1E9R9DB01#	p157
			10pF	±2%	GJM0225C1E100GB01#	p157
				±5%	GJM0225C1E100JB01#	p157
			11pF	±2%	GJM0225C1E110GB01#	p157
				±5%	GJM0225C1E110JB01#	p157
			12pF	±2%	GJM0225C1E120GB01#	p157
				±5%	GJM0225C1E120JB01#	p157
			13pF	±2%	GJM0225C1E130GB01#	p157
				±5%	GJM0225C1E130JB01#	p157
			15pF	±2%	GJM0225C1E150GB01#	p157
				±5%	GJM0225C1E150JB01#	p157
			16pF	±2%	GJM0225C1E160GB01#	p157
				±5%	GJM0225C1E160JB01#	p157
			18pF	±2%	GJM0225C1E180GB01#	p157
				±5%	GJM0225C1E180JB01#	p157
			20pF	±2%	GJM0225C1E200GB01#	p157
				±5%	GJM0225C1E200JB01#	p157
			22pF	±2%	GJM0225C1E220GB01#	p157
				±5%	GJM0225C1E220JB01#	p157
		СК	0.20pF	±0.05pF	GJM0224C1ER20WB01#	p157
				±0.1pF	GJM0224C1ER20BB01#	p157
			0.30pF	±0.05pF	GJM0224C1ER30WB01#	p157
				±0.1pF	GJM0224C1ER30BB01#	p157
			0.40pF	±0.05pF	GJM0224C1ER40WB01#	p157
				±0.1pF	GJM0224C1ER40BB01#	p157
			0.50pF	±0.05pF	GJM0224C1ER50WB01#	p157
				±0.1pF	GJM0224C1ER50BB01#	p157
			0.60pF	±0.05pF	GJM0224C1ER60WB01#	p157
				±0.1pF	GJM0224C1ER60BB01#	p157
			0.70pF	±0.05pF	GJM0224C1ER70WB01#	p157
				±0.1pF	GJM0224C1ER70BB01#	p157
			0.80pF	±0.05pF	GJM0224C1ER80WB01#	p157
				±0.1pF	GJM0224C1ER80BB01#	p157
			0.90pF	±0.05pF	GJM0224C1ER90WB01#	p157
				±0.1pF	GJM0224C1ER90BB01#	p157
			1.0pF	±0.05pF	GJM0224C1E1R0WB01#	p157
				±0.1pF	GJM0224C1E1R0BB01#	p157
				±0.25pF	GJM0224C1E1R0CB01#	p157
			1.1pF	±0.05pF	GJM0224C1E1R1WB01#	p157
				±0.1pF	GJM0224C1E1R1BB01#	p157
				±0.25pF	GJM0224C1E1R1CB01#	p157
			1.2pF	±0.05pF	GJM0224C1E1R2WB01#	p157
		c.,				

0.22mm	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.3pF	0.22mm	25Vdc	СК	1.2pF	±0.1pF	GJM0224C1E1R2BB01#	p157
1-01pF 2-0.25pF					±0.25pF	GJM0224C1E1R2CB01#	p157
1.4pF 10.05pF 10.05p				1.3pF	±0.05pF	GJM0224C1E1R3WB01#	p157
1.4pF					±0.1pF	GJM0224C1E1R3BB01#	p157
+0.1pF cycloper					±0.25pF	GJM0224C1E1R3CB01#	p157
1.5pF 2.05pF 2.0024C1E1R4CB01# 0157 0.25pF 2.01pF 2.025pF 2.025pF 2.005pF				1.4pF	±0.05pF	GJM0224C1E1R4WB01#	p157
1.SpF					±0.1pF	GJM0224C1E1R4BB01#	p157
# 1.01pf					±0.25pF	GJM0224C1E1R4CB01#	p157
1.6pF 20.05pF 2JM0224C1E1RSCB01# 0157 20.1pF 20.05pF 2JM0224C1E1RGBB01# 0157 20.1pF 20.05pF 2JM0224C1E1RGBB01# 0157 20.1pF 20.05pF 2JM0224C1E1RSCB01# 0157 20.1pF 2JM0224C1E2ROSB01# 0157 20.1pF 2JM0224C1E2ROSB01# 0157 20.1pF 2JM0223C1E2RUB01# 0157 20.1pF 2JM0223C1E2RUB01# 0157 20.1pF 2JM0223C1E2RSCB01# 0157 20.25pF 2JM0223C1E2RSCB01# 0157 20.1pF 2JM0223C1E2RSCB01# 0157 20.2pF 2JM0223C1E2RSCB01# 0157 20.2pF 2JM0223C1E2RSCB01# 0157 20.2pF 2JM0223C1E2RSCB01# 0157 20.2pF 2JM0223C1E2RSCB01# 0157 20.2				1.5pF	±0.05pF	GJM0224C1E1R5WB01#	p157
1.6pf					±0.1pF	GJM0224C1E1R5BB01#	p157
### 1.01pf GJM0224C1E1R6BB01# p157 ### 1.025pf GJM0224C1E1R7WB01# p157 ### 1.025pf GJM0224C1E1R7WB01# p157 ### 1.05pf GJM0224C1E1R8WB01# p157 ### 1.05pf GJM0224C1E1R8WB01# p157 ### 1.01pf GJM0224C1E1R8WB01# p157 ### 1.025pf GJM0224C1E1R8WB01# p157 ### 1.025pf GJM0224C1E1R8WB01# p157 ### 1.025pf GJM0224C1E1R9WB01# p157 ### 1.01pf GJM0224C1E1R9WB01# p157 ### 1.025pf GJM0224C1E1R9WB01# p157 ### 1.025pf GJM0224C1E1R9WB01# p157 ### 1.01pf GJM0224C1E1R9WB01# p157 ### 1.01pf GJM0224C1E2R0WB01# p157 ### 1.01pf GJM0224C1E2R0WB01# p157 ### 1.01pf GJM0224C1E2R0WB01# p157 ### 1.025pf GJM0223C1E2R1WB01# p157 ### 1.025pf GJM0223C1E2R1WB01# p157 ### 1.025pf GJM0223C1E2R2BB01# p157 ### 1.025pf GJM0223C1E2R2BB01# p157 ### 1.025pf GJM0223C1E2R2BB01# p157 ### 1.025pf GJM0223C1E2R2BB01# p157 ### 1.025pf GJM0223C1E2R3BB01# p157 ### 1.025pf GJM0223C1E2R3BB01# p157 ### 1.025pf GJM0223C1E2R4WB01# p157 ### 1.025pf GJM0223C1E2R4WB01# p157 ### 1.025pf GJM0223C1E2R4WB01# p157 ### 1.025pf GJM0223C1E2R5BB01# p157 ### 1.025pf GJM0223C1E2R6BB01# p157 ### 1.025pf GJM0223C1E2R8BB01# p157 ###							_
### 1.7pF ±0.05pF GJM0224C1E1R6CB01# p157				1.6pF			·
1.7pF ±0.05pF GJM0224C1E1R7WB01# p157 ±0.1pF GJM0224C1E1R7BB01# p157 ±0.25pF GJM0224C1E1R8WB01# p157 ±0.1pF GJM0224C1E1R9WB01# p157 ±0.25pF GJM0224C1E1R9WB01# p157 ±0.25pF GJM0224C1E1R9WB01# p157 ±0.25pF GJM0224C1E1R9WB01# p157 ±0.1pF GJM0224C1E2R0WB01# p157 ±0.1pF GJM0224C1E2R0WB01# p157 ±0.25pF GJM0224C1E2R0WB01# p157 ±0.25pF GJM0224C1E2R0WB01# p157 ±0.25pF GJM0223C1E2R1WB01# p157 ±0.25pF GJM0223C1E2R1WB01# p157 ±0.25pF GJM0223C1E2R1WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157					-		i –
#0.1pF GJM0224C1E1R7BB01# p157 #0.25pF GJM0224C1E1R8WB01# p157 #0.1pF GJM0224C1E1R8WB01# p157 #0.1pF GJM0224C1E1R8WB01# p157 #0.25pF GJM0224C1E1R8WB01# p157 #0.1pF GJM0224C1E1R9WB01# p157 #0.1pF GJM0224C1E1R9WB01# p157 #0.25pF GJM0224C1E1R9WB01# p157 #0.25pF GJM0224C1E1R9WB01# p157 #0.1pF GJM0224C1E1R9WB01# p157 #0.1pF GJM0224C1E2R0WB01# p157 #0.1pF GJM0224C1E2R0WB01# p157 #0.1pF GJM0224C1E2R0WB01# p157 #0.1pF GJM0224C1E2R0WB01# p157 #0.1pF GJM0223C1E2R1WB01# p157 #0.1pF GJM0223C1E2R1WB01# p157 #0.25pF GJM0223C1E2R2WB01# p157 #0.1pF GJM0223C1E2R2WB01# p157 #0.1pF GJM0223C1E2R2WB01# p157 #0.25pF GJM0223C1E2R3WB01# p157 #0.25pF GJM0223C1E2R4WB01# p157 #0.25pF GJM0223C1E2R4WB01# p157 #0.25pF GJM0223C1E2R4WB01# p157 #0.25pF GJM0223C1E2R5WB01# p157 #0.25pF GJM0223C1E2R6WB01# p157 #0.25pF GJM0223C1E2R8WB01# p157				1 7 5	-		i –
±0.25pF GJM0224C1E1R7CB01# p157 1.8pF ±0.05pF GJM0224C1E1R8WB01# p157 ±0.25pF GJM0224C1E1R8WB01# p157 ±0.25pF GJM0224C1E1R9WB01# p157 ±0.25pF GJM0224C1E2R0WB01# p157 ±0.1pF GJM0224C1E2R0WB01# p157 ±0.25pF GJM0224C1E2R0WB01# p157 ±0.25pF GJM0223C1E2R1WB01# p157 ±0.25pF GJM0223C1E2R1WB01# p157 ±0.1pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157				1.7pr			i -
1.8pF ±0.05pF GJM0224C1E1R8WB01# p157 ±0.1pF GJM0224C1E1R8BB01# p157 ±0.25pF GJM0224C1E1R8BB01# p157 ±0.25pF GJM0224C1E1R9BB01# p157 ±0.1pF GJM0224C1E1R9BB01# p157 ±0.25pF GJM0224C1E1R9BB01# p157 ±0.25pF GJM0224C1E2R0BB01# p157 ±0.25pF GJM0223C1E2R1BB01# p157 ±0.25pF GJM0223C1E2R1BB01# p157 ±0.25pF GJM0223C1E2R2BB01# p157 ±0.25pF GJM0223C1E2R2BB01# p157 ±0.25pF GJM0223C1E2R2BB01# p157 ±0.25pF GJM0223C1E2R2BB01# p157 ±0.25pF GJM0223C1E2R3BB01# p157 ±0.25pF GJM0223C1E2R5BB01# p157 ±0.25pF GJM0223C1E2R7BB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R9BB01# p157							<u> </u>
#0.1pF GJM0224C1E1R8BB01# p157 #0.25pF GJM0224C1E1R9BB01# p157 #0.1pF GJM0224C1E1R9BB01# p157 #0.25pF GJM0224C1E1R9BB01# p157 #0.25pF GJM0224C1E1R9BB01# p157 #0.25pF GJM0224C1E2R0BB01# p157 #0.25pF GJM0224C1E2R0BB01# p157 #0.25pF GJM0224C1E2R0BB01# p157 #0.25pF GJM0223C1E2R1BB01# p157 #0.25pF GJM0223C1E2R1BB01# p157 #0.25pF GJM0223C1E2R2BB01# p157 #0.25pF GJM0223C1E2R3BB01# p157				1 8nF	-		<u> </u>
±0.25pF GJM0224C1E1R8CB01# p157				1.0рі	-		
1.9pF							<u> </u>
#0.1pF GJM0224C1E1R9BB01# p157 #0.25pF GJM0224C1E2R0WB01# p157 #0.05pF GJM0224C1E2R0WB01# p157 #0.1pF GJM0224C1E2R0BB01# p157 #0.25pF GJM0224C1E2R0BB01# p157 #0.25pF GJM0223C1E2R1WB01# p157 #0.1pF GJM0223C1E2R1WB01# p157 #0.25pF GJM0223C1E2R1BB01# p157 #0.25pF GJM0223C1E2R1BB01# p157 #0.1pF GJM0223C1E2R2WB01# p157 #0.1pF GJM0223C1E2R2BB01# p157 #0.1pF GJM0223C1E2R3BB01# p157 #0.1pF GJM0223C1E2R3BB01# p157 #0.25pF GJM0223C1E2R3BB01# p157 #0.25pF GJM0223C1E2R3BB01# p157 #0.25pF GJM0223C1E2R4WB01# p157 #0.25pF GJM0223C1E2R4BB01# p157 #0.25pF GJM0223C1E2R4BB01# p157 #0.25pF GJM0223C1E2R5BB01# p157 #0.25pF GJM0223C1E2R5BB01# p157 #0.25pF GJM0223C1E2R5BB01# p157 #0.25pF GJM0223C1E2R6BB01# p157 #0.25pF GJM0223C1E2R6BB01# p157 #0.25pF GJM0223C1E2R7WB01# p157 #0.25pF GJM0223C1E2R8WB01# p157 #0.25pF GJM0223C1E2R8WB01# p157 #0.25pF GJM0223C1E2R8WB01# p157 #0.25pF GJM0223C1E2R8BB01# p157 #0.25pF GJM0223C1E2R9BB01# p157				1.9pF			·
±0.25pF GJM0224C1E1R9CB01# p157 2.0pF ±0.05pF GJM0224C1E2R0WB01# p157 ±0.1pF GJM0224C1E2R0CB01# p157 ±0.25pF GJM0223C1E2R1WB01# p157 ±0.1pF GJM0223C1E2R1WB01# p157 ±0.1pF GJM0223C1E2R1BB01# p157 ±0.25pF GJM0223C1E2R1BB01# p157 ±0.1pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R3BB01# p157 ±0.25pF GJM0223C1E2R3BB01# p157 ±0.25pF GJM0223C1E2R3BB01# p157 ±0.25pF GJM0223C1E2R3BB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4BB01# p157 ±0.25pF GJM0223C1E2R5BB01# p157 ±0.25pF GJM0223C1E2R5BB01# p157 ±0.25pF GJM0223C1E2R5BB01# p157 ±0.1pF GJM0223C1E2R6BB01# p157 ±0.25pF GJM0223C1E2R6BB01# p157 ±0.25pF GJM0223C1E2R7BB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R9BB01# p157 ±0.25pF GJM0223C1E2R9BB01# p157 ±0.25pF GJM0223C1E2R9BB01# p157							i –
#0.1pF GJM0224C1E2R0BB01# p157 #0.25pF GJM0223C1E2R1WB01# p157 #0.1pF GJM0223C1E2R1BB01# p157 #0.25pF GJM0223C1E2R1BB01# p157 #0.25pF GJM0223C1E2R2WB01# p157 #0.25pF GJM0223C1E2R2WB01# p157 #0.1pF GJM0223C1E2R2BB01# p157 #0.25pF GJM0223C1E2R2BB01# p157 #0.25pF GJM0223C1E2R2BB01# p157 #0.1pF GJM0223C1E2R3BB01# p157 #0.1pF GJM0223C1E2R3BB01# p157 #0.25pF GJM0223C1E2R3BB01# p157 #0.1pF GJM0223C1E2R3BB01# p157 #0.1pF GJM0223C1E2R4WB01# p157 #0.25pF GJM0223C1E2R4WB01# p157 #0.1pF GJM0223C1E2R4BB01# p157 #0.25pF GJM0223C1E2R5WB01# p157 #0.1pF GJM0223C1E2R5WB01# p157 #0.25pF GJM0223C1E2R5WB01# p157 #0.25pF GJM0223C1E2R5WB01# p157 #0.25pF GJM0223C1E2R6BB01# p157 #0.1pF GJM0223C1E2R6BB01# p157 #0.1pF GJM0223C1E2R6BB01# p157 #0.25pF GJM0223C1E2R7WB01# p157 #0.25pF GJM0223C1E2R7BB01# p157 #0.25pF GJM0223C1E2R7BB01# p157 #0.25pF GJM0223C1E2R8WB01# p157 #0.25pF GJM0223C1E2R8BB01# p157					-		i –
±0.25pF GJM0223C1E2R1WB01# p157 ±0.1pF GJM0223C1E2R1WB01# p157 ±0.25pF GJM0223C1E2R1BB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R3WB01#				2.0pF	±0.05pF	GJM0224C1E2R0WB01#	p157
CJ 2.1pF ±0.05pF GJM0223C1E2R1WB01# p157					±0.1pF	GJM0224C1E2R0BB01#	p157
±0.1pF GJM0223C1E2R1BB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R2BB01# p157 ±0.25pF GJM0223C1E2R2BB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.1pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.1pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R5CB01# p157 ±0.25pF GJM0223C1E2R5CB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157					±0.25pF	GJM0224C1E2R0CB01#	p157
±0.25pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.25pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R3WB01# p157 ±0.1pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157			CJ	2.1pF	±0.05pF	GJM0223C1E2R1WB01#	p157
2.2pF ±0.05pF GJM0223C1E2R2WB01# p157 ±0.1pF GJM0223C1E2R2BB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.1pF GJM0223C1E2R3WB01# p157 ±0.1pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R3WB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157					±0.1pF	GJM0223C1E2R1BB01#	p157
±0.1pF GJM0223C1E2R2BB01# p157 ±0.25pF GJM0223C1E2R2CB01# p157 2.3pF ±0.05pF GJM0223C1E2R3WB01# p157 ±0.1pF GJM0223C1E2R3WB01# p157 2.4pF ±0.05pF GJM0223C1E2R4WB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 2.5pF GJM0223C1E2R4WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157					±0.25pF	GJM0223C1E2R1CB01#	p157
±0.25pF GJM0223C1E2R2CB01# p157 2.3pF ±0.05pF GJM0223C1E2R3BB01# p157 ±0.1pF GJM0223C1E2R3BB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4CB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.25pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R8WB01# p157 ±0.1pF GJM0223C1E2R8WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157				2.2pF	±0.05pF	GJM0223C1E2R2WB01#	p157
2.3pF ±0.05pF GJM0223C1E2R3WB01# p157 ±0.1pF GJM0223C1E2R3BB01# p157 ±0.25pF GJM0223C1E2R3CB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 ±0.1pF GJM0223C1E2R4WB01# p157 ±0.25pF GJM0223C1E2R4CB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R6WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157					±0.1pF	GJM0223C1E2R2BB01#	p157
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2.4pF ±0.05pF GJM0223C1E2R4WB01# p157 ±0.1pF GJM0223C1E2R4BB01# p157 ±0.25pF GJM0223C1E2R4CB01# p157 2.5pF ±0.05pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5BB01# p157 ±0.25pF GJM0223C1E2R5CB01# p157 2.6pF ±0.05pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6BB01# p157 ±0.25pF GJM0223C1E2R6BB01# p157 2.7pF ±0.05pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7BB01# p157 ±0.1pF GJM0223C1E2R7BB01# p157 2.8pF ±0.05pF GJM0223C1E2R8WB01# p157 ±0.1pF GJM0223C1E2R8WB01# p157 ±0.1pF GJM0223C1E2R8BB01# p157 ±0.1pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157					±0.1pF	GJM0223C1E2R3BB01#	p157
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2.5pF ±0.05pF GJM0223C1E2R5WB01# p157 ±0.1pF GJM0223C1E2R5BB01# p157 ±0.25pF GJM0223C1E2R5CB01# p157 2.6pF ±0.05pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6BB01# p157 2.7pF ±0.05pF GJM0223C1E2R6CB01# p157 ±0.1pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R7WB01# p157 ±0.25pF GJM0223C1E2R8WB01# p157 ±0.1pF GJM0223C1E2R8WB01# p157 ±0.25pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R8CB01# p157 ±0.25pF GJM0223C1E2R8CB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157 ±0.25pF GJM0223C1E2R9WB01# p157							-
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2.6pF ±0.05pF GJM0223C1E2R6WB01# p157 ±0.1pF GJM0223C1E2R6BB01# p157 ±0.25pF GJM0223C1E2R6CB01# p157 2.7pF ±0.05pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7BB01# p157 ±0.25pF GJM0223C1E2R7CB01# p157 2.8pF ±0.05pF GJM0223C1E2R8WB01# p157 ±0.1pF GJM0223C1E2R8WB01# p157 ±0.25pF GJM0223C1E2R8CB01# p157 2.9pF ±0.05pF GJM0223C1E2R8WB01# p157 ±0.1pF GJM0223C1E2R9WB01# p157 ±0.1pF GJM0223C1E2R9WB01# p157 ±0.1pF GJM0223C1E2R9BB01# p157							-
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2.7pF ±0.05pF GJM0223C1E2R7WB01# p157 ±0.1pF GJM0223C1E2R7BB01# p157 ±0.25pF GJM0223C1E2R7CB01# p157 2.8pF ±0.05pF GJM0223C1E2R8WB01# p157 ±0.1pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R8CB01# p157 2.9pF ±0.05pF GJM0223C1E2R9WB01# p157 ±0.1pF GJM0223C1E2R9BB01# p157 ±0.25pF GJM0223C1E2R9BB01# p157					-		_
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2.8pF ±0.05pF GJM0223C1E2R8WB01# p157 ±0.1pF GJM0223C1E2R8BB01# p157 ±0.25pF GJM0223C1E2R8CB01# p157 2.9pF ±0.05pF GJM0223C1E2R9WB01# p157 ±0.1pF GJM0223C1E2R9BB01# p157 ±0.25pF GJM0223C1E2R9CB01# p157							_
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2.9pF ±0.05pF GJM0223C1E2R9WB01# p157 ±0.1pF GJM0223C1E2R9BB01# p157 ±0.25pF GJM0223C1E2R9CB01# p157					-		
±0.25pF GJM0223C1E2R9CB01# p157				2.9pF	±0.05pF	GJM0223C1E2R9WB01#	_
					±0.1pF	GJM0223C1E2R9BB01#	p157
3.0pF ±0.05pF GJM0223C1E3R0WB01# p157					±0.25pF	GJM0223C1E2R9CB01#	p157
				3.0pF	±0.05pF	GJM0223C1E3R0WB01#	p157

Part number # indicates the package specification code.

 $^{*\}mbox{:}$ Refers to the page of the "Specifications and Test Methods".

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3R3 //

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GR4

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GA2 //

GP3 GD

GA3 GF

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GJM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
).22mm	25Vdc	C1	3.0pF	±0.1pF	GJM0223C1E3R0BB01#	p157
				±0.25pF	GJM0223C1E3R0CB01#	p157
			3.1pF	±0.05pF	GJM0223C1E3R1WB01#	p157
				±0.1pF	GJM0223C1E3R1BB01#	p157
				±0.25pF	GJM0223C1E3R1CB01#	p157
			3.2pF	±0.05pF	GJM0223C1E3R2WB01#	p157
				±0.1pF	GJM0223C1E3R2BB01#	p157
				±0.25pF	GJM0223C1E3R2CB01#	p157
			3.3pF	±0.05pF	GJM0223C1E3R3WB01#	p157
				±0.1pF	GJM0223C1E3R3BB01#	p157
				-	GJM0223C1E3R3CB01#	p157
			3.4pF		GJM0223C1E3R4WB01#	p157
				±0.1pF	GJM0223C1E3R4BB01#	p157
				-	GJM0223C1E3R4CB01#	p157
			3.5pF	-	GJM0223C1E3R5WB01#	p157
			о.ор.	±0.1pF	GJM0223C1E3R5BB01#	p157
				-	GJM0223C1E3R5CB01#	p157
			3.6pF	-	GJM0223C1E3R6WB01#	p157
			э.ор.	±0.1pF	GJM0223C1E3R6BB01#	p157
				-	GJM0223C1E3R6CB01#	p157
			3 7pF		GJM0223C1E3R7WB01#	-
			3.7pF	-	GJM0223C1E3R7BB01#	p157
				±0.1pF		p157
			3.8pF	· ·	GJM0223C1E3R7CB01#	p157
			·	· ·	GJM0223C1E3R8WB01#	p157
		СН		±0.1pF	GJM0223C1E3R8BB01#	p157
				±0.25pF	GJM0223C1E3R8CB01#	p157
			3.9pF	· ·	GJM0223C1E3R9WB01#	p157
				±0.1pF	GJM0223C1E3R9BB01#	p157
			011 40.5		GJM0223C1E3R9CB01#	p157
			CH 4.0pF	-	GJM0222C1E4R0WB01#	p157
				±0.1pF	GJM0222C1E4R0BB01#	p157
					GJM0222C1E4R0CB01#	p157
			4.1pF		GJM0222C1E4R1WB01#	p157
					GJM0222C1E4R1BB01#	p157
					GJM0222C1E4R1CB01#	p157
			4.2pF		GJM0222C1E4R2WB01#	p157
					GJM0222C1E4R2BB01#	p157
					GJM0222C1E4R2CB01#	p157
			4.3pF		GJM0222C1E4R3WB01#	p157
				±0.1pF	GJM0222C1E4R3BB01#	p157
			±0.25pF	GJM0222C1E4R3CB01#	p157	
		4.4pF	±0.05pF	GJM0222C1E4R4WB01#	p157	
			±0.1pF	GJM0222C1E4R4BB01#	p157	
			±0.25pF	GJM0222C1E4R4CB01#	p157	
		4.5pF	±0.05pF	GJM0222C1E4R5WB01#	p157	
			±0.1pF	GJM0222C1E4R5BB01#	p157	
				±0.25pF	GJM0222C1E4R5CB01#	p157
			4.6pF	±0.05pF	GJM0222C1E4R6WB01#	p157
				±0.1pF	GJM0222C1E4R6BB01#	p157
				±0.25pF	GJM0222C1E4R6CB01#	p157
			4.7pF	±0.05pF	GJM0222C1E4R7WB01#	p157
			•	±0.1pF	GJM0222C1E4R7BB01#	p157
		i				<u> </u>
				±0.25pF	GJM0222C1E4R7CB01#	p157

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.22mm	25Vdc	СН	4.8pF	±0.1pF	GJM0222C1E4R8BB01#	p157
				±0.25pF	GJM0222C1E4R8CB01#	p157
			4.9pF	±0.05pF	GJM0222C1E4R9WB01#	p157
				±0.1pF	GJM0222C1E4R9BB01#	p157
				±0.25pF	GJM0222C1E4R9CB01#	p157
			5.0pF	±0.05pF	GJM0222C1E5R0WB01#	p157
				±0.1pF	GJM0222C1E5R0BB01#	p157
				±0.25pF	GJM0222C1E5R0CB01#	p157
			5.1pF	±0.05pF	GJM0222C1E5R1WB01#	p157
				±0.1pF	GJM0222C1E5R1BB01#	p157
				±0.25pF	GJM0222C1E5R1CB01#	p157
				±0.5pF	GJM0222C1E5R1DB01#	p157
			5.2pF	±0.05pF	GJM0222C1E5R2WB01#	p157
				±0.1pF	GJM0222C1E5R2BB01#	p157
				-	GJM0222C1E5R2CB01#	p157
				±0.5pF	GJM0222C1E5R2DB01#	p157
			5.3pF	-	GJM0222C1E5R3WB01#	p157
				±0.1pF	GJM0222C1E5R3BB01#	p157
				-	GJM0222C1E5R3CB01#	p157
			F 4=F	±0.5pF	GJM0222C1E5R3DB01#	p157
			5.4pF		GJM0222C1E5R4WB01#	p157
				±0.1pF	GJM0222C1E5R4BB01#	p157
				±0.25pF	GJM0222C1E5R4CB01# GJM0222C1E5R4DB01#	p157
			5.5pF		GJM0222C1E5R5WB01#	p157
			3.3pi	±0.1pF	GJM0222C1E5R5BB01#	p157
				-	GJM0222C1E5R5CB01#	p157
				±0.5pF	GJM0222C1E5R5DB01#	p157
			5.6pF		GJM0222C1E5R6WB01#	p157
			·	±0.1pF	GJM0222C1E5R6BB01#	p157
				±0.25pF	GJM0222C1E5R6CB01#	p157
				±0.5pF	GJM0222C1E5R6DB01#	p157
			5.7pF	±0.05pF	GJM0222C1E5R7WB01#	p157
				±0.1pF	GJM0222C1E5R7BB01#	p157
				±0.25pF	GJM0222C1E5R7CB01#	p157
				±0.5pF	GJM0222C1E5R7DB01#	p157
			5.8pF	±0.05pF	GJM0222C1E5R8WB01#	p157
				±0.1pF	GJM0222C1E5R8BB01#	p157
				±0.25pF	GJM0222C1E5R8CB01#	p157
				±0.5pF	GJM0222C1E5R8DB01#	p157
			5.9pF	±0.05pF	GJM0222C1E5R9WB01#	p157
				±0.1pF	GJM0222C1E5R9BB01#	p157
				±0.25pF	GJM0222C1E5R9CB01#	p157
				±0.5pF	GJM0222C1E5R9DB01#	p157
			6.0pF		GJM0222C1E6R0WB01#	p157
				-	GJM0222C1E6R0BB01#	p157
				-	GJM0222C1E6R0CB01#	p157
			C 1		GJM0222C1E6R0DB01#	p157
			6.1pF	-	GJM0222C1E6R1WB01#	p157
				±0.1pF	GJM0222C1E6R1BB01#	p157
				-	GJM0222C1E6R1CB01#	p157
			6255		GJM0222C1E6R1DB01#	p157
			6.2pF	-	GJM0222C1E6R2WB01#	p157
			Doub wore	±0.1pF	GJM0222C1E6R2BB01#	p157

GJM Series Temperature Compensating Type Part Number List

(-> 0 4x	0.2mm	١)	•		•	O
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.22mm	25Vdc	СН	6.2pF	±0.25pF	GJM0222C1E6R2CB01#	p157
				±0.5pF	GJM0222C1E6R2DB01#	p157
			6.3pF	±0.05pF	GJM0222C1E6R3WB01#	p157
				±0.1pF	GJM0222C1E6R3BB01#	p157
				±0.25pF	GJM0222C1E6R3CB01#	p157
				±0.5pF	GJM0222C1E6R3DB01#	p157
			6.4pF	±0.05pF	GJM0222C1E6R4WB01#	p157
				±0.1pF	GJM0222C1E6R4BB01#	p157
				±0.25pF	GJM0222C1E6R4CB01#	p157
				±0.5pF	GJM0222C1E6R4DB01#	p157
			6.5pF	±0.05pF	GJM0222C1E6R5WB01#	p157
				±0.1pF	GJM0222C1E6R5BB01#	p157
				±0.25pF	GJM0222C1E6R5CB01#	p157
				±0.5pF	GJM0222C1E6R5DB01#	p157
			6.6pF	±0.05pF	GJM0222C1E6R6WB01#	p157
				±0.1pF	GJM0222C1E6R6BB01#	p157
				±0.25pF	GJM0222C1E6R6CB01#	p157
				±0.5pF	GJM0222C1E6R6DB01#	p157
			6.7pF	-	GJM0222C1E6R7WB01#	p157
				±0.1pF	GJM0222C1E6R7BB01#	p157
					GJM0222C1E6R7CB01#	p157
			C 0-F	±0.5pF	GJM0222C1E6R7DB01#	p157
			6.8pF		GJM0222C1E6R8WB01# GJM0222C1E6R8BB01#	p157
				±0.1pF ±0.25pF		p157 p157
				±0.5pF	GJM0222C1E6R8DB01#	p157
			6.9pF		GJM0222C1E6R9WB01#	p157
				±0.1pF	GJM0222C1E6R9BB01#	p157
					GJM0222C1E6R9CB01#	p157
				±0.5pF	GJM0222C1E6R9DB01#	p157
			7.0pF	±0.05pF	GJM0222C1E7R0WB01#	p157
				±0.1pF	GJM0222C1E7R0BB01#	p157
				±0.25pF	GJM0222C1E7R0CB01#	p157
				±0.5pF	GJM0222C1E7R0DB01#	p157
			7.1pF	±0.05pF	GJM0222C1E7R1WB01#	p157
				±0.1pF	GJM0222C1E7R1BB01#	p157
				±0.25pF	GJM0222C1E7R1CB01#	p157
				±0.5pF	GJM0222C1E7R1DB01#	p157
			7.2pF	±0.05pF	GJM0222C1E7R2WB01#	p157
				±0.1pF	GJM0222C1E7R2BB01#	p157
				±0.25pF	GJM0222C1E7R2CB01#	p157
				±0.5pF	GJM0222C1E7R2DB01#	p157
			7.3pF		GJM0222C1E7R3WB01#	p157
				±0.1pF	GJM0222C1E7R3BB01#	p157
				-	GJM0222C1E7R3CB01#	p157
			7.4-5	±0.5pF	GJM0222C1E7R3DB01#	p157
			7.4pF	-	GJM0222C1E7R4WB01#	p157
				±0.1pF	GJM0222C1E7R4BB01#	p157
				±0.25pF ±0.5pF	GJM0222C1E7R4CB01# GJM0222C1E7R4DB01#	p157 p157
			7.5pF	-	GJM0222C1E7R4DB01#	p157
			الاد. ،	±0.05pF	GJM0222C1E7R5WB01#	p157
				±0.25pF	GJM0222C1E7R5CB01#	p157
				±0.5pF	GJM0222C1E7R5DB01#	p157
				<u> </u>		<u> </u>

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.22mm	25Vdc	СН	7.6pF	±0.05pF	GJM0222C1E7R6WB01#	p157
				±0.1pF	GJM0222C1E7R6BB01#	p157
				±0.25pF	GJM0222C1E7R6CB01#	p157
				±0.5pF	GJM0222C1E7R6DB01#	p157
			7.7pF	±0.05pF	GJM0222C1E7R7WB01#	p157
				±0.1pF	GJM0222C1E7R7BB01#	p157
				±0.25pF	GJM0222C1E7R7CB01#	p157
				±0.5pF	GJM0222C1E7R7DB01#	p157
			7.8pF	±0.05pF	GJM0222C1E7R8WB01#	p157
				±0.1pF	GJM0222C1E7R8BB01#	p157
				±0.25pF	GJM0222C1E7R8CB01#	p157
				±0.5pF	GJM0222C1E7R8DB01#	p157
			7.9pF	±0.05pF	GJM0222C1E7R9WB01#	p157
				±0.1pF	GJM0222C1E7R9BB01#	p157
				±0.25pF	GJM0222C1E7R9CB01#	p157
				±0.5pF	GJM0222C1E7R9DB01#	p157
			8.0pF	±0.05pF	GJM0222C1E8R0WB01#	p157
				±0.1pF	GJM0222C1E8R0BB01#	p157
				±0.25pF	GJM0222C1E8R0CB01#	p157
				±0.5pF	GJM0222C1E8R0DB01#	p157
			8.1pF	±0.05pF	GJM0222C1E8R1WB01#	p157
				±0.1pF	GJM0222C1E8R1BB01#	p157
				±0.25pF	GJM0222C1E8R1CB01#	p157
				±0.5pF	GJM0222C1E8R1DB01#	p157
			8.2pF	±0.05pF	GJM0222C1E8R2WB01#	p157
				±0.1pF	GJM0222C1E8R2BB01#	p157
				±0.25pF	GJM0222C1E8R2CB01#	p157
				±0.5pF	GJM0222C1E8R2DB01#	p157
			8.3pF	±0.05pF	GJM0222C1E8R3WB01#	p157
				±0.1pF	GJM0222C1E8R3BB01#	p157
				±0.25pF	GJM0222C1E8R3CB01#	p157
				±0.5pF	GJM0222C1E8R3DB01#	p157
			8.4pF	±0.05pF	GJM0222C1E8R4WB01#	p157
				±0.1pF	GJM0222C1E8R4BB01#	p157
				±0.25pF	GJM0222C1E8R4CB01#	p157
				±0.5pF	GJM0222C1E8R4DB01#	p157
			8.5pF	±0.05pF	GJM0222C1E8R5WB01#	p157
				±0.1pF	GJM0222C1E8R5BB01#	p157
				±0.25pF	GJM0222C1E8R5CB01#	p157
				±0.5pF	GJM0222C1E8R5DB01#	p157
			8.6pF	±0.05pF	GJM0222C1E8R6WB01#	p157
				±0.1pF	GJM0222C1E8R6BB01#	p157
				±0.25pF	GJM0222C1E8R6CB01#	p157
				±0.5pF	GJM0222C1E8R6DB01#	p157
			8.7pF	±0.05pF	GJM0222C1E8R7WB01#	p157
				±0.1pF	GJM0222C1E8R7BB01#	p157
				±0.25pF	GJM0222C1E8R7CB01#	p157
				±0.5pF	GJM0222C1E8R7DB01#	p157
			8.8pF	±0.05pF	GJM0222C1E8R8WB01#	p157
				±0.1pF	GJM0222C1E8R8BB01#	p157
				±0.25pF	GJM0222C1E8R8CB01#	p157
				±0.5pF	GJM0222C1E8R8DB01#	p157
			8.9pF	±0.05pF	GJM0222C1E8R9WB01#	p157
				±0.1pF	GJM0222C1E8R9BB01#	p157

 $[\]mbox{\ensuremath{\raisebox{.4ex}{\star}}}\colon \mbox{\ensuremath{\mbox{Refers}}}$ to the page of the "Specifications and Test Methods".

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GJM Series Temperature Compensating Type Part Number List (→ 0.4×0.2mm)

#0.5pF GJM0222C1E9R0B01# p15 9.0pF #0.05pF GJM0222C1E9R0B01# p15 #0.5pF GJM022C1E9R0B01# p15 #0.05pF GJM022C1E9R0B01# p15 #0.05pF GJM022C1E9R0B01# p15 #0.05pF GJM022C1E9R1B01# p15 #0.05pF GJM022C1E9R1B01# p15 #0.05pF GJM022C1E9R1B01# p15 #0.05pF GJM022C1E9R2B01# p15 #0.05pF GJM022C1E9R3B01# p15 #0.05pF GJM022C1E9R4B01# p15 #0.05pF GJM022C1E9R4B01# p15 #0.05pF GJM022C1E9R4B01# p15 #0.05pF GJM022C1E9R5B01# p15 #0.05pF GJM022C1E9R7B01# p15 #0.05pF GJM022C1E9R7B01# p15 #0.05pF GJM022C1E9R7B001# p15 #0.05pF GJM022C1E9R8B001# p15 #0.05pF GJM022C1E9R9B001# p15 #	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
9.0pF	0.22mm	25Vdc	СН	8.9pF	±0.25pF	GJM0222C1E8R9CB01#	p157
#0.1pF					±0.5pF	GJM0222C1E8R9DB01#	p157
#0.25pF GJM0222C1E9ROCB01# p15 #0.5pF GJM0222C1E9RIBB01# p15 #0.1pF GJM022C1E9RIBB01# p15 #0.25pF GJM022C1E9RIBB01# p15 #0.5pF GJM02				9.0pF	±0.05pF	GJM0222C1E9R0WB01#	p157
#0.5pF c0.05pF c0.05pF					±0.1pF	GJM0222C1E9R0BB01#	p157
9.1pF					±0.25pF	GJM0222C1E9R0CB01#	p157
#0.1pF GJMO222C1E9R1BB01# p15 #0.2pF GJMO222C1E9R1CB01# p15 #0.1pF GJMO222C1E9R2BB01# p15 #0.1pF GJMO222C1E9R2BB01# p15 #0.2pF GJMO222C1E9R2BB01# p15 #0.2pF GJMO222C1E9R2BB01# p15 #0.2pF GJMO222C1E9R3BB01# p15 #0.1pF GJMO222C1E9R3BB01# p15 #0.1pF GJMO222C1E9R3BB01# p15 #0.2pF GJMO222C1E9R3BB01# p15 #0.2pF GJMO222C1E9R3BB01# p15 #0.2pF GJMO222C1E9R3BB01# p15 #0.1pF GJMO222C1E9R4BB01# p15 #0.2pF GJMO222C1E9R4BB01# p15 #0.2pF GJMO222C1E9R5BB01# p15 #0.2pF GJMO222C1E9R7BB01# p15 #0.2pF GJMO222C1E9R8BB01# p15 #0.2pF GJMO222C1E9R8BB01# p15 #0.2pF GJMO222C1E9R8BB01# p15 #0.2pF GJMO222C1E9R8BB01# p15 #0.2pF GJMO222C1E9RBB01# p15 #0.2pF GJMO222C1E9RBB01# p15 #0.2pp GJMO22C1E9RBB01# p15 #0.2pp GJMO22C1E9ROBO1# p15 #0.2pp GJMO22C1E9ROBO1# p15 #0.2pp GJMO22C1E9ROBO1# p15 #0.2pp GJMO22C1E9ROBO1# p15 #0.2pp GJMO22C1E10OB01# p15 #10pf ±2% GJMO22C1E10OB01# p15 #15% GJMO22C1E10OB01# p15 #15% GJMO22C1E10OB01# p15 #15% GJMO22C1E10OB01# p15 #15% GJMO22C1E13OJB01# p15 #15% GJMO22C1					±0.5pF	GJM0222C1E9R0DB01#	p157
#0.25pF GJM0222C1E9R1CBO1# p15 #0.5pF GJM022C1E9R2BBO1# p15 #0.1pF GJM022C1E9R2BBO1# p15 #0.5pF GJM022C1E9R2BBO1# p15 #0.5pF GJM022C1E9R2BBO1# p15 #0.5pF GJM022C1E9R3WBO1# p15 #0.1pF GJM022C1E9R3WBO1# p15 #0.1pF GJM022C1E9R3WBO1# p15 #0.5pF GJM022C1E9R3WBO1# p15 #0.5pF GJM022C1E9R3BBO1# p15 #0.5pF GJM022C1E9R5BBO1# p15 #0.5pF GJM022C1E9R5BBO1# p15 #0.5pF GJM022C1E9R5BBO1# p15 #0.5pF GJM022C1E9R6BBO1# p15 #0.5pF GJM022C1E9R6BBO1# p15 #0.5pF GJM022C1E9R6BBO1# p15 #0.5pF GJM022C1E9R6BBO1# p15 #0.5pF GJM022C1E9R7BBO1# p15 #0.5pF GJM022C1E9R7BBO1# p15 #0.5pF GJM022C1E9R7BBO1# p15 #0.5pF GJM022C1E9R8BBO1# p15 #0.5pF GJM022C1E9RBBO1# p15 #0.5pF GJM022C1E9RBBBO1# p15 #0.5pF GJM022C1E9RBBD1# p15 #0.5pF GJM022C1E9RBBBO1# p15 #0.5pF GJM022C1E9RBBBO1# p15 #0.5pF GJM022C1E9RBBBO1# p15 #0.5pF GJM022C1E9RBBBO1# p15 #0.5pF GJM022C1E9RBBD1# p15 #0.5pF GJM022C1E9RBBD1# p15 #0.5pF GJM022C1E9RBBD1# p15 #0.5pF GJM022C1E9RBBD1# p15 #0.5pF GJM022C1E9RBB				9.1pF	±0.05pF	GJM0222C1E9R1WB01#	p157
#0.5pF GJM0222C1E9R2B01# p15 #0.1pF dJM022C1E9R2B01# p15 #0.25pF dJM022C1E9R2B01# p15 #0.5pF dJM022C1E9R2B01# p15 #0.1pF dJM022C1E9R3B01# p15 #0.1pF dJM022C1E9R3B01# p15 #0.25pF dJM022C1E9R3B01# p15 #0.25pF dJM022C1E9R3B01# p15 #0.5pF dJM022C1E9R3B01# p15 #0.5pF dJM022C1E9R3B01# p15 #0.1pF dJM022C1E9R3B01# p15 #0.1pF dJM022C1E9R4B01# p15 #0.5pF dJM022C1E9R4B01# p15 #0.5pF dJM022C1E9R4B01# p15 #0.5pF dJM022C1E9R5B01# p15 #0.5pF dJM022C1E9R7B01# p15 #0.5pF dJM022C1E9R7B01# p15 #0.5pF dJM022C1E9R7B01# p15 #0.5pF dJM022C1E9R7B01# p15 #0.5pF dJM022C1E9R8B001# p15 #0.5pF dJM022C1E10GB01# p15 #0.5pF d					±0.1pF	GJM0222C1E9R1BB01#	p157
9.2pF					±0.25pF	GJM0222C1E9R1CB01#	p157
#0.1pF GJM0222C1E9R2BB01# p15 #0.5pF GJM022C1E9R3BB01# p15 #0.1pF GJM022C1E9R4BB01# p15 #0.1pF GJM022C1E9R4BB01# p15 #0.1pF GJM022C1E9R4BB01# p15 #0.1pF GJM022C1E9R4BB01# p15 #0.1pF GJM022C1E9R3BB01# p15 #0.1pF GJM02C2C1E9R3BB01# p15 #0.1pF GJM0C2C1E10GB01# p15 #0.1pF GJM0C2C1E10GB01# p15 #0.1pF #0.1pF GJM0C2C1E10GB01# p15 #0.1pF #0.2pF GJM0C2C1E10GB01# p15 #0.1pF #0.2pF GJM0C2C1E10GB01# p15 #0.1pF #0.2pF GJM0C2C1E10JB01# p15 #0.1pF #0.2pF GJM0C2C1E10JB01# p15 #0.1pF #0.2pF GJM0C2C1E10JB01# p15 #0.1pF #0.2pF GJM0C2C1E10JB01# p15 #0.1pF #0.1pF GJM0C2C1E10JB					±0.5pF	GJM0222C1E9R1DB01#	p157
#0.25pF GJM0222C1E9R2CB01# p15 #0.5pF GJM022C1E9R3WB01# p15 #0.1pF GJM022C1E9R3WB01# p15 #0.25pF GJM022C1E9R3BB01# p15 #0.25pF GJM022C1E9R3CB01# p15 #0.5pF GJM022C1E9R3DB01# p15 #0.1pF GJM022C1E9R3DB01# p15 #0.1pF GJM022C1E9R4WB01# p15 #0.25pF GJM022C1E9R4BB01# p15 #0.25pF GJM022C1E9R4DB01# p15 #0.5pF GJM022C1E9R4DB01# p15 #0.1pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.5pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.1pF GJM022C1E9R7BB01# p15 #0.1pF GJM022C1E9R7BB01# p15 #0.1pF GJM022C1E9R8BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E10GB01# p15 #0.25pF GJM022C1E10JB01# p15 #0.25pF GJM022				9.2pF	±0.05pF	GJM0222C1E9R2WB01#	p157
#0.5pF GJM0222C1E9R3WB01# p15 #0.1pF GJM022C1E9R3WB01# p15 #0.25pF GJM022C1E9R3BB01# p15 #0.5pF GJM022C1E9R3BB01# p15 #0.5pF GJM022C1E9R3BB01# p15 #0.1pF GJM022C1E9R4WB01# p15 #0.1pF GJM022C1E9R4BB01# p15 #0.25pF GJM022C1E9R4BB01# p15 #0.25pF GJM022C1E9R4BB01# p15 #0.5pF GJM022C1E9R4BB01# p15 #0.5pF GJM022C1E9R4BB01# p15 #0.1pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R7BB01# p15 #0.25pF GJM022C1E9R7BB01# p15 #0.25pF GJM022C1E9R8BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E10GB01# p15 #0.5pF GJM022C1E10GB01# p15 #0.5pF GJM022C1E110GB01# p15 #0.5pF GJM022C1E110B01# p15 #0.5pF GJM022C1E110B01# p15 #0.5pF GJM022C1E110B01# p15 #0.5pF GJM022C1E120B01# p15 #0.5pF GJM022C1E120B001# p15 #0.5pF GJM022C1E120B001# p15 #0.5pF GJM022C1E120B001# p15 #0.5pF GJM022C1E130B001# p15 #0.5pF GJM022C					±0.1pF	GJM0222C1E9R2BB01#	p157
9.3pF ±0.05pF GJM0222C1E9R3WB01# p15 ±0.1pF GJM022C1E9R3BB01# p15 ±0.5pF GJM022C1E9R3BB01# p15 ±0.5pF GJM022C1E9R4WB01# p15 ±0.5pF GJM022C1E9R4BB01# p15 ±0.5pF GJM022C1E9R4BB01# p15 ±0.5pF GJM022C1E9R4BB01# p15 ±0.5pF GJM022C1E9R5BB01# p15 ±0.5pF GJM022C1E9R6BB01# p15 ±0.1pF GJM022C1E9R7BB01# p15 ±0.25pF GJM022C1E9R8BB01# p15 ±0.5pF GJM022C1E9R9BB01# p15 ±0.5pF GJM022C1E10OGB01# p15 ±5% GJM022C1E10JB01# p15					±0.25pF	GJM0222C1E9R2CB01#	p157
#0.1pF GJM0222C1E9R3BB01# p15 #0.25pF GJM022C1E9R3CB01# p15 #0.5pF GJM022C1E9R4WB01# p15 #0.1pF GJM022C1E9R4BB01# p15 #0.1pF GJM022C1E9R4BB01# p15 #0.25pF GJM022C1E9R4BB01# p15 #0.1pF GJM022C1E9R5BB01# p15 #0.1pF GJM022C1E9R6BB01# p15 #0.1pF GJM022C1E9R7BB01# p15 #0.1pF GJM022C1E9R7BB01# p15 #0.1pF GJM022C1E9R8BB01# p15 #0.1pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E10OGB01# p15 #0.5pF GJM022C1E11OJB01# p15 #0.5pF GJM022C1E11OJB01# p15 #0.5pF GJM022C1E11OJB01# p15 #0.5pF GJM022C1E12OJB01# p15 #0.5pF GJM022C1E13OJB01# p15 #0.5pF GJM022C1E13OJB01# p15 #0.5pF GJM022C1E13OJB01# p15					±0.5pF	GJM0222C1E9R2DB01#	p157
#0.25pF GJM0222C1E9R3CB01# p15 #0.1pF GJM022C1E9R4WB01# p15 #0.1pF GJM022C1E9R4WB01# p15 #0.25pF GJM022C1E9R4WB01# p15 #0.25pF GJM022C1E9R4WB01# p15 #0.5pF GJM022C1E9R4WB01# p15 #0.5pF GJM022C1E9R5WB01# p15 #0.1pF GJM022C1E9R5WB01# p15 #0.1pF GJM022C1E9R5WB01# p15 #0.5pF GJM022C1E9R5B00# p15 #0.5pF GJM022C1E9R5B01# p15 #0.5pF GJM022C1E9R6WB01# p15 #0.1pF GJM022C1E9R6WB01# p15 #0.1pF GJM022C1E9R6B01# p15 #0.5pF GJM022C1E9R6B01# p15 #0.5pF GJM022C1E9R6B01# p15 #0.1pF GJM022C1E9R6B01# p15 #0.1pF GJM022C1E9R7B01# p15 #0.1pF GJM022C1E9R7B01# p15 #0.5pF GJM022C1E9R8B01# p15 #0.5pF GJM022C1E9R9B01# p15 #0.5pF GJM022C1E10OGB01# p15 #0.5pF GJM022C1E10OJB01# p15 #0.5pF GJM022C1E13OJB01# p15 #0.5pF GJM022C1E13OJB01# p15				9.3pF	±0.05pF	GJM0222C1E9R3WB01#	p157
#0.5pF GJM0222C1E9R4WB01# p15 #0.1pF GJM022C1E9R4WB01# p15 #0.1pF GJM022C1E9R4BB01# p15 #0.5pF GJM022C1E9R4BB01# p15 #0.5pF GJM022C1E9R4BB01# p15 #0.1pF GJM022C1E9R5BB01# p15 #0.1pF GJM022C1E9R5BB01# p15 #0.1pF GJM022C1E9R5BB01# p15 #0.5pF GJM022C1E9R5BB01# p15 #0.5pF GJM022C1E9R5BB01# p15 #0.5pF GJM022C1E9R6BB01# p15 #0.1pF GJM022C1E9R7BB01# p15 #0.1pF GJM022C1E9R7BB01# p15 #0.1pF GJM022C1E9R7BB01# p15 #0.1pF GJM022C1E9R8BB01# p15 #0.1pF GJM022C1E9R8BB01# p15 #0.1pF GJM022C1E9R8BB01# p15 #0.1pF GJM022C1E9R8BB01# p15 #0.1pF GJM022C1E9RBB01# p15 #0.5pF GJM022C1E9RBB01# p15 #0.5pF GJM022C1E10OGB01# p15 #0.5pF GJM022C1E11OJB01# p15 #0.5pF GJM022C1E11OJB01# p15 #0.5pF GJM022C1E110JB01# p15 #0.5pF GJM022C1E110JB01# p15 #0.5pF GJM022C1E120JB01# p15 #0.5pF GJM022C1E120JB01# p15 #0.5pF GJM022C1E120JB01# p15 #0.5pF GJM022C1E120JB01# p15 #0.5pF GJM022C1E130JB01# p15					±0.1pF	GJM0222C1E9R3BB01#	p157
9.4pF ±0.05pF GJM0222C1E9R4WB01# p15					±0.25pF	GJM0222C1E9R3CB01#	p157
#0.1pF GJM0222C1E9R4BB01# p15 #0.5pF GJM0222C1E9R4CB01# p15 #0.5pF GJM0222C1E9R5BB01# p15 #0.1pF GJM0222C1E9R5BB01# p15 #0.5pF GJM0222C1E9R5BB01# p15 #0.5pF GJM0222C1E9R5BB01# p15 #0.5pF GJM0222C1E9R5BB01# p15 #0.1pF GJM0222C1E9R5BB01# p15 #0.1pF GJM0222C1E9R6BB01# p15 #0.1pF GJM0222C1E9R6BB01# p15 #0.5pF GJM0222C1E9R6BB01# p15 #0.5pF GJM0222C1E9R6BB01# p15 #0.5pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E10GB01# p15 #0.5pF GJM0222C1E10GB01# p15 #0.5pF GJM0222C1E10GB01# p15 #0.5pF GJM0222C1E10JB01# p15 #0.5pF GJM022C1E10JB01# p15					±0.5pF	GJM0222C1E9R3DB01#	p157
#0.25pF GJM0222C1E9R4CB01# p15 #0.5pF GJM022CC1E9R4DB01# p15 #0.1pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.25pF GJM022C1E9R5BB01# p15 #0.5pF GJM022C1E9R6BB01# p15 #0.1pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R6BB01# p15 #0.25pF GJM022C1E9R7BB01# p15 #0.1pF GJM022C1E9R7BB01# p15 #0.25pF GJM022C1E9R7BB01# p15 #0.25pF GJM022C1E9R7BB01# p15 #0.25pF GJM022C1E9R8BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E9R9BB01# p15 #0.25pF GJM022C1E10OGB01# p15 #0.25pF GJM022C1E10OGB01# p15 #0.25pF GJM022C1E10OGB01# p15 #0.25pF GJM022C1E11OJB01# p15 #0.25pF GJM022C1E11OJB01# p15 #0.25pF GJM022C1E11OJB01# p15 #0.25pF GJM022C1E10OGB01# p15 #0.25pF GJM022C1E10OGB01# p15 #0.25pF GJM022C1E10OGB01# p15 #0.25pF GJM022C1E10OGB01# p15 #0.25pF GJM022C1E10OJB01# p15				9.4pF	±0.05pF	GJM0222C1E9R4WB01#	p157
#0.5pF GJM0222C1E9R5WB01# p15 #0.1pF GJM022C1E9R5WB01# p15 #0.25pF GJM022C1E9R5WB01# p15 #0.5pF GJM022C1E9R5WB01# p15 #0.5pF GJM022C1E9R5WB01# p15 #0.5pF GJM022C1E9R6WB01# p15 #0.1pF GJM022C1E9R6WB01# p15 #0.25pF GJM022C1E9R6WB01# p15 #0.5pF GJM022C1E9R6B01# p15 #0.5pF GJM022C1E9R7WB01# p15 #0.1pF GJM022C1E9R7WB01# p15 #0.25pF GJM022C1E9R7WB01# p15 #0.25pF GJM022C1E9R7WB01# p15 #0.5pF GJM022C1E9R7WB01# p15 #0.5pF GJM022C1E9R8WB01# p15 #0.5pF GJM022C1E9R8WB01# p15 #0.5pF GJM022C1E9R8WB01# p15 #0.25pF GJM022C1E9R8WB01# p15 #0.25pF GJM022C1E9R8WB01# p15 #0.5pF GJM022C1E9R9WB01# p15 #0.5pF GJM022C1E9R9WB01# p15 #0.5pF GJM022C1E9R9BB01# p15 #0.5pF GJM022C1E9R9BB01# p15 #0.5pF GJM022C1E9R9BB01# p15 #0.5pF GJM022C1E9R9BB01# p15 #0.5pF GJM022C1E10OGB01# p15 #0.5pF GJM022C1E11OJB01# p15 #5% GJM022C1E11OJB01# p15 #5% GJM022C1E11OJB01# p15 #5% GJM022C1E13OJB01# p15					±0.1pF	GJM0222C1E9R4BB01#	p157
9.5pF					±0.25pF	GJM0222C1E9R4CB01#	p157
#0.1pF GJM0222C1E9R5BB01# p15					±0.5pF	GJM0222C1E9R4DB01#	p157
#0.25pF GJM0222C1E9R5CB01# p15 #0.5pF GJM0222C1E9R5DB01# p15 #0.1pF GJM0222C1E9R6BB01# p15 #0.25pF GJM0222C1E9R6BB01# p15 #0.5pF GJM0222C1E9R6BB01# p15 #0.5pF GJM0222C1E9R6BB01# p15 #0.1pF GJM0222C1E9R7BB01# p15 #0.1pF GJM0222C1E9R7BB01# p15 #0.25pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.1pF GJM0222C1E9R8BB01# p15 #0.25pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E100GB01# p15 #0.5pF GJM0222C1E100JB01# p15 #0.5pF GJM0222C1E100JB01# p15 #0.5pF GJM022C1E110JB01# p15 #0.5pF GJM022C1E110JB01# p15 #0.5pF GJM022C1E110JB01# p15 #0.5pF GJM022C1E120JB01# p15 #0.5pF GJM022C1E130JB01# p15				9.5pF	±0.05pF	GJM0222C1E9R5WB01#	p157
#0.5pF GJM0222C1E9R5DB01# p15 #0.05pF GJM0222C1E9R6BB01# p15 #0.1pF GJM0222C1E9R6BB01# p15 #0.5pF GJM0222C1E9R6BB01# p15 #0.5pF GJM0222C1E9R6DB01# p15 #0.5pF GJM0222C1E9R7WB01# p15 #0.1pF GJM0222C1E9R7BB01# p15 #0.25pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R8WB01# p15 #0.1pF GJM0222C1E9R8BB01# p15 #0.25pF GJM0222C1E9R8BB01# p15 #0.25pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E100GB01# p15 #0.5pF GJM0222C1E100GB01# p15 #0.5pF GJM0222C1E100B01# p15 #0.5pF GJM0222C1E10JB01# p15 #0.5pF GJM0222C1E130JB01# p15					±0.1pF	GJM0222C1E9R5BB01#	p157
9.6pF ±0.05pF GJM0222C1E9R6WB01# p15 ±0.1pF GJM0222C1E9R6B01# p15 ±0.5pF GJM0222C1E9R6DB01# p15 ±0.5pF GJM0222C1E9R7WB01# p15 ±0.1pF GJM0222C1E9R7WB01# p15 ±0.1pF GJM0222C1E9R7BB01# p15 ±0.5pF GJM0222C1E9R7BB01# p15 ±0.5pF GJM0222C1E9R7BB01# p15 ±0.5pF GJM0222C1E9R8WB01# p15 ±0.1pF GJM0222C1E9R8BB01# p15 ±0.1pF GJM0222C1E9R8BB01# p15 ±0.5pF GJM0222C1E9R8BB01# p15 ±0.5pF GJM0222C1E9R8BB01# p15 ±0.5pF GJM0222C1E9R9BB01# p15 ±0.5pF GJM0222C1E100GB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E12OJB01# p15 ±5% GJM0222C1E130JB01# p15 ±5% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130JB01# p15					±0.25pF	GJM0222C1E9R5CB01#	p157
#0.1pF GJM0222C1E9R6BB01# p15 #0.25pF GJM0222C1E9R6DB01# p15 #0.5pF GJM0222C1E9R7WB01# p15 #0.1pF GJM0222C1E9R7BB01# p15 #0.25pF GJM0222C1E9R7BB01# p15 #0.5pF GJM0222C1E9R7DB01# p15 #0.5pF GJM0222C1E9R8WB01# p15 #0.1pF GJM0222C1E9R8WB01# p15 #0.1pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.1pF GJM0222C1E9R9BB01# p15 #0.25pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E10OJB01# p15 #5% GJM0222C1E10JB01# p15 #5% GJM0222C1E10JB01# p15 #5% GJM0222C1E12OJB01# p15 #5% GJM0222C1E12OJB01# p15 #5% GJM0222C1E12OJB01# p15 #5% GJM0222C1E13OJB01# p15 #5% GJM0222C1E13OJB01# p15 #5% GJM0222C1E13OJB01# p15					±0.5pF	GJM0222C1E9R5DB01#	p157
#0.25pF GJM0222C1E9R6CB01# p15 #0.5pF GJM0222C1E9R6DB01# p15 #0.1pF GJM0222C1E9R7BB01# p15 #0.25pF GJM0222C1E9R7CB01# p15 #0.5pF GJM0222C1E9R7CB01# p15 #0.5pF GJM0222C1E9R7DB01# p15 #0.5pF GJM0222C1E9R8WB01# p15 #0.1pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8CB01# p15 #0.5pF GJM0222C1E9R8DB01# p15 #0.5pF GJM0222C1E9R8DB01# p15 #0.5pF GJM0222C1E9R9WB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E100GB01# p15 #0.5pF GJM0222C1E100JB01# p15 #5% GJM0222C1E10JB01# p15 #5% GJM0222C1E130GB01# p15 #5% GJM0222C1E130GB01# p15 #5% GJM0222C1E130GB01# p15 #5% GJM0222C1E130JB01# p15				9.6pF	±0.05pF	GJM0222C1E9R6WB01#	p157
#0.5pF GJM0222C1E9R6DB01# p15 #0.1pF GJM0222C1E9R7BB01# p15 #0.25pF GJM0222C1E9R7CB01# p15 #0.5pF GJM0222C1E9R7DB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8DB01# p15 #0.5pF GJM0222C1E9R8DB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E10OGB01# p15 #0.5pF GJM0222C1E10OJB01# p15 #0.5pF GJM0222C1E110JB01# p15 #0.5pF GJM0222C1E110JB01# p15 #0.5pF GJM0222C1E12OGB01# p15 #0.5pF GJM0222C1E12OGB01# p15 #0.5pF GJM0222C1E12OJB01# p15 #0.5pF GJM0222C1E12OJB01# p15 #0.5pF GJM0222C1E13OJB01# p15					±0.1pF	GJM0222C1E9R6BB01#	p157
9.7pF ±0.05pF GJM0222C1E9R7WB01# p15 ±0.1pF GJM0222C1E9R7BB01# p15 ±0.25pF GJM0222C1E9R7BB01# p15 ±0.5pF GJM0222C1E9R8WB01# p15 ±0.1pF GJM0222C1E9R8WB01# p15 ±0.1pF GJM0222C1E9R8BB01# p15 ±0.25pF GJM0222C1E9R8BB01# p15 ±0.5pF GJM0222C1E9R8BB01# p15 ±0.1pF GJM0222C1E9R9WB01# p15 ±0.1pF GJM0222C1E9R9BB01# p15 ±0.25pF GJM0222C1E9R9BB01# p15 ±0.5pF GJM0222C1E9R9BB01# p15 ±0.5pF GJM0222C1E9R9BB01# p15 ±0.5pF GJM0222C1E100GB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130JB01# p15 ±5% GJM0222C1E130JB01# p15					±0.25pF	GJM0222C1E9R6CB01#	p157
#0.1pF GJM0222C1E9R7BB01# p15 #0.25pF GJM0222C1E9R7CB01# p15 #0.5pF GJM0222C1E9R8WB01# p15 #0.1pF GJM0222C1E9R8WB01# p15 #0.25pF GJM0222C1E9R8CB01# p15 #0.5pF GJM0222C1E9R8DB01# p15 #0.5pF GJM0222C1E9R8DB01# p15 #0.1pF GJM0222C1E9R9BB01# p15 #0.1pF GJM0222C1E9R9BB01# p15 #0.25pF GJM0222C1E9R9CB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E100GB01# p15 #5% GJM0222C1E10JB01# p15 #5% GJM0222C1E10JB01# p15 #5% GJM0222C1E10JB01# p15 #5% GJM0222C1E12OJB01# p15 #5% GJM0222C1E12OJB01# p15 #5% GJM0222C1E12OJB01# p15 #5% GJM0222C1E130JB01# p15					±0.5pF	GJM0222C1E9R6DB01#	p157
±0.25pF GJM0222C1E9R7CB01# p15 ±0.5pF GJM0222C1E9R8WB01# p15 ±0.1pF GJM0222C1E9R8WB01# p15 ±0.1pF GJM0222C1E9R8BB01# p15 ±0.25pF GJM0222C1E9R8CB01# p15 ±0.5pF GJM0222C1E9R8DB01# p15 ±0.5pF GJM0222C1E9R9WB01# p15 ±0.1pF GJM0222C1E9R9BB01# p15 ±0.25pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±5% GJM0222C1E100JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130JB01# p15				9.7pF	±0.05pF	GJM0222C1E9R7WB01#	p157
#0.5pF GJM0222C1E9R7DB01# p15 #0.1pF GJM0222C1E9R8BB01# p15 #0.25pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8BB01# p15 #0.5pF GJM0222C1E9R8DB01# p15 #0.5pF GJM0222C1E9R9BB01# p15 #0.1pF GJM0222C1E9R9BB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E9R9DB01# p15 #0.5pF GJM0222C1E10OGB01# p15 #0.5pF GJM0222C1E10OJB01# p15 #0.5pF GJM0222C1E10OJB01# p15 #0.5pF GJM0222C1E110JB01# p15 #0.5pF GJM0222C1E110JB01# p15 #0.5pF GJM0222C1E12OGB01# p15 #0.5pF GJM0222C1E12OJB01# p15 #0.5pF GJM0222C1E12OJB01# p15 #0.5pF GJM0222C1E13OJB01# p15							p157
9.8pF ±0.05pF GJM0222C1E9R8WB01# p15 ±0.1pF GJM0222C1E9R8BB01# p15 ±0.25pF GJM0222C1E9R8BB01# p15 ±0.5pF GJM0222C1E9R8DB01# p15 ±0.1pF GJM0222C1E9R9BB01# p15 ±0.1pF GJM0222C1E9R9BB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E10OGB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E12OGB01# p15 ±5% GJM0222C1E12OJB01# p15 ±5% GJM0222C1E12OJB01# p15 ±5% GJM0222C1E13OJB01# p15 ±5% GJM0222C1E13OJB01# p15					±0.25pF	GJM0222C1E9R7CB01#	p157
±0.1pF GJM0222C1E9R8BB01# p15 ±0.25pF GJM0222C1E9R8BB01# p15 ±0.5pF GJM0222C1E9R8DB01# p15 ±0.1pF GJM0222C1E9R9WB01# p15 ±0.1pF GJM0222C1E9R9BB01# p15 ±0.25pF GJM0222C1E9R9CB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E100GB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130JB01# p15					±0.5pF	GJM0222C1E9R7DB01#	p157
±0.25pF GJM0222C1E9R8CB01# p15 ±0.5pF GJM0222C1E9R8DB01# p15 9.9pF ±0.05pF GJM0222C1E9R9WB01# p15 ±0.1pF GJM0222C1E9R9BB01# p15 ±0.25pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E100GB01# p15 ±5% GJM0222C1E100JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130JB01# p15 ±5% GJM0222C1E130JB01# p15				9.8pF	±0.05pF	GJM0222C1E9R8WB01#	p157
±0.5pF GJM0222C1E9R8DB01# p15 9.9pF ±0.05pF GJM0222C1E9R9WB01# p15 ±0.1pF GJM0222C1E9R9BB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E100GB01# p15 ±5% GJM0222C1E100JB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130JB01# p15 ±5% GJM0222C1E130JB01# p15 ±5% GJM0222C1E130JB01# p15					±0.1pF	GJM0222C1E9R8BB01#	p157
9.9pF ±0.05pF GJM0222C1E9R9WB01# p15 ±0.1pF GJM0222C1E9R9BB01# p15 ±0.25pF GJM0222C1E9R9CB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E10OGB01# p15 ±5% GJM0222C1E10OJB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E12OGB01# p15 ±5% GJM0222C1E12OJB01# p15 ±5% GJM0222C1E12OJB01# p15 ±5% GJM0222C1E13OJB01# p15 ±5% GJM0222C1E13OJB01# p15					±0.25pF	GJM0222C1E9R8CB01#	p157
±0.1pF GJM0222C1E9R9BB01# p15 ±0.25pF GJM0222C1E9R9CB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 ±0.5pF GJM0222C1E100GB01# p15 ±5% GJM0222C1E100JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E10JB01# p15 ±5% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130JB01# p15 ±5% GJM0222C1E130JB01# p15							p157
±0.25pF GJM0222C1E9R9CB01# p15 ±0.5pF GJM0222C1E9R9DB01# p15 10pF ±2% GJM0222C1E100GB01# p15 ±5% GJM0222C1E100JB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130GB01# p15				9.9pF			p157
±0.5pF GJM0222C1E9R9DB01# p15 10pF ±2% GJM0222C1E100GB01# p15 ±5% GJM0222C1E100JB01# p15 11pF ±2% GJM0222C1E110JB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130JB01# p15 ±5% GJM0222C1E130JB01# p15					<u> </u>		p157
10pF ±2% GJM0222C1E100GB01# p15 ±5% GJM0222C1E100JB01# p15 11pF ±2% GJM0222C1E110GB01# p15 ±5% GJM0222C1E110JB01# p15 ±5% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130JB01# p15					<u> </u>		p157
±5% GJM0222C1E100JB01# p15 11pF ±2% GJM0222C1E110GB01# p15 ±5% GJM0222C1E110JB01# p15 12pF ±2% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 13pF ±2% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130JB01# p15					±0.5pF		p157
11pF ±2% GJM0222C1E110GB01# p15 ±5% GJM0222C1E110JB01# p15 12pF ±2% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 ±5% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130JB01# p15				10pF			p157
±5% GJM0222C1E110JB01# p15 12pF ±2% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 13pF ±2% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130JB01# p15							p157
12pF ±2% GJM0222C1E120GB01# p15 ±5% GJM0222C1E120JB01# p15 13pF ±2% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130JB01# p15				11pF			p157
±5% GJM0222C1E120JB01# p15 13pF ±2% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130JB01# p15				4			p157
13pF ±2% GJM0222C1E130GB01# p15 ±5% GJM0222C1E130JB01# p15				12pF			p157
±5% GJM0222C1E130JB01# p15				10 -			p157
				13pF			p157
15pF <u>±2%</u> GJM0222C1E150GB01# p15							p157
				15pF			p157
				46 -			p157
				16pF			p157
±5% GJM0222C1E160JB01# p19						est Methods".	p157

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
0.22mm	25Vdc	СН	18pF	±2%	GJM0222C1E180GB01#	p157
				±5%	GJM0222C1E180JB01#	p157
			20pF	±2%	GJM0222C1E200GB01#	p157
				±5%	GJM0222C1E200JB01#	p157
			22pF	±2%	GJM0222C1E220GB01#	p157
				±5%	GJM0222C1E220JB01#	p157

0.6×0.3mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.33mm	50Vdc	COG	0.20pF	±0.05pF	GJM0335C1HR20WB01#	p160
				±0.1pF	GJM0335C1HR20BB01#	p160
			0.30pF	±0.05pF	GJM0335C1HR30WB01#	p160
				±0.1pF	GJM0335C1HR30BB01#	p160
			0.40pF	±0.05pF	GJM0335C1HR40WB01#	p160
				±0.1pF	GJM0335C1HR40BB01#	p160
			0.50pF	±0.05pF	GJM0335C1HR50WB01#	p160
				±0.1pF	GJM0335C1HR50BB01#	p160
			0.60pF	±0.05pF	GJM0335C1HR60WB01#	p160
				±0.1pF	GJM0335C1HR60BB01#	p160
			0.70pF	±0.05pF	GJM0335C1HR70WB01#	p160
				±0.1pF	GJM0335C1HR70BB01#	p160
			0.80pF	±0.05pF	GJM0335C1HR80WB01#	p160
				±0.1pF	GJM0335C1HR80BB01#	p160
			0.90pF	±0.05pF	GJM0335C1HR90WB01#	p160
				±0.1pF	GJM0335C1HR90BB01#	p160
		CK	0.20pF	±0.05pF	GJM0334C1HR20WB01#	p160
			0.30pF	±0.05pF	GJM0334C1HR30WB01#	p160
			0.40pF	±0.05pF	GJM0334C1HR40WB01#	p160
			0.50pF	±0.05pF	GJM0334C1HR50WB01#	p160
			0.60pF	±0.05pF	GJM0334C1HR60WB01#	p160
			0.70pF	±0.05pF	GJM0334C1HR70WB01#	p160
			0.80pF	±0.05pF	GJM0334C1HR80WB01#	p160
			0.90pF	±0.05pF	GJM0334C1HR90WB01#	p160
			1.0pF	±0.1pF	GJM0334C1H1R0BB01#	p160
			1.1pF	±0.1pF	GJM0334C1H1R1BB01#	p160
			1.2pF	±0.1pF	GJM0334C1H1R2BB01#	p160
			1.3pF	±0.1pF	GJM0334C1H1R3BB01#	p160
			1.5pF	±0.1pF	GJM0334C1H1R5BB01#	p160
			1.6pF	±0.1pF	GJM0334C1H1R6BB01#	p160
			1.8pF	±0.1pF	GJM0334C1H1R8BB01#	p160
			2.0pF	±0.1pF	GJM0334C1H2R0BB01#	p160
		CJ	2.2pF	±0.1pF	GJM0333C1H2R2BB01#	p160
			2.4pF	±0.1pF	GJM0333C1H2R4BB01#	p160
			2.7pF	±0.1pF	GJM0333C1H2R7BB01#	p160
			3.0pF	±0.1pF	GJM0333C1H3R0BB01#	p160
			3.3pF	±0.1pF	GJM0333C1H3R3BB01#	p160
			3.6pF	±0.1pF	GJM0333C1H3R6BB01#	p160
			3.9pF	±0.1pF	GJM0333C1H3R9BB01#	p160
		СН	0.20pF	±0.05pF	GJM0332C1HR20WB01#	p160
				±0.1pF	GJM0332C1HR20BB01#	p160
			0.30pF	±0.05pF	GJM0332C1HR30WB01#	p160
				±0.1pF	GJM0332C1HR30BB01#	p160

 $[\]mbox{\ensuremath{\raisebox{.4ex}{\star}}}\colon \mbox{\ensuremath{\mbox{Refers}}}$ to the page of the "Specifications and Test Methods".

(-) 0 6x	0.3mm	١.	'		•	0
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.33mm	50Vdc	СН	0.40pF	±0.05pF	GJM0332C1HR40WB01#	p160
				±0.1pF	GJM0332C1HR40BB01#	p160
			0.50pF	±0.05pF	GJM0332C1HR50WB01#	p160
				±0.1pF	GJM0332C1HR50BB01#	p160
			0.60pF	±0.05pF	GJM0332C1HR60WB01#	p160
				±0.1pF	GJM0332C1HR60BB01#	p160
			0.70pF	±0.05pF	GJM0332C1HR70WB01#	p160
				±0.1pF	GJM0332C1HR70BB01#	p160
			0.80pF	±0.05pF	GJM0332C1HR80WB01#	p160
				±0.1pF	GJM0332C1HR80BB01#	p160
			0.90pF	-	GJM0332C1HR90WB01#	p160
				±0.1pF	GJM0332C1HR90BB01#	p160
	25Vdc	COG	1.0pF	-	GJM0335C1E1R0WB01#	p157
				±0.1pF	GJM0335C1E1R0BB01#	p157
			11-5		GJM0335C1E1R0CB01#	p157
			1.1pF		GJM0335C1E1R1WB01#	p157
				±0.1pF ±0.25pF	GJM0335C1E1R1BB01# GJM0335C1E1R1CB01#	p157
			1.2pF		GJM0335C1E1R2WB01#	p157
			1.20	±0.1pF	GJM0335C1E1R2BB01#	p157
				•	GJM0335C1E1R2CB01#	p157
			1.3pF	-	GJM0335C1E1R3WB01#	p157
			•	±0.1pF	GJM0335C1E1R3BB01#	p157
				-	GJM0335C1E1R3CB01#	p157
			1.4pF	±0.05pF	GJM0335C1E1R4WB01#	p157
				±0.1pF	GJM0335C1E1R4BB01#	p157
				±0.25pF	GJM0335C1E1R4CB01#	p157
			1.5pF	±0.05pF	GJM0335C1E1R5WB01#	p157
				±0.1pF	GJM0335C1E1R5BB01#	p157
				±0.25pF	GJM0335C1E1R5CB01#	p157
			1.6pF	±0.05pF	GJM0335C1E1R6WB01#	p157
				±0.1pF	GJM0335C1E1R6BB01#	p157
				±0.25pF	GJM0335C1E1R6CB01#	p157
			1.7pF	±0.05pF	GJM0335C1E1R7WB01#	p157
				±0.1pF	GJM0335C1E1R7BB01#	p157
				-	GJM0335C1E1R7CB01#	p157
			1.8pF		GJM0335C1E1R8WB01#	p157
				±0.1pF	GJM0335C1E1R8BB01#	p157
			1.055	-	GJM0335C1E1R8CB01#	p157
			1.9pF	±0.05pF ±0.1pF	GJM0335C1E1R9WB01# GJM0335C1E1R9BB01#	p157
				±0.25pF	GJM0335C1E1R9CB01#	p157 p157
			2.0pF	-		p157
			2.001	-		p157
					GJM0335C1E2R0CB01#	p157
			2.1pF	-	GJM0335C1E2R1WB01#	p157
				±0.1pF	GJM0335C1E2R1BB01#	p157
				•	GJM0335C1E2R1CB01#	p157
			2.2pF	-		p157
				±0.1pF	GJM0335C1E2R2BB01#	p157
				±0.25pF	GJM0335C1E2R2CB01#	p157
			2.3pF	±0.05pF	GJM0335C1E2R3WB01#	p157
				±0.1pF	GJM0335C1E2R3BB01#	p157
				±0.25pF	GJM0335C1E2R3CB01#	p157

0.33mm	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
10.25pF GJMO33SC1E2R4CB01# p157	0.33mm	25Vdc	COG	2.4pF	±0.05pF	GJM0335C1E2R4WB01#	p157
2.5pF 10.05pF 2.0.1pF 2.0.1p					±0.1pF	GJM0335C1E2R4BB01#	p157
10.1pF 20.2spF 20.0spF 20.0s					±0.25pF	GJM0335C1E2R4CB01#	p157
±0.25pF ±0.05pF ±0.0				2.5pF	±0.05pF	GJM0335C1E2R5WB01#	p157
2.6pF ±0.05pF GJM0335C1E2R6WB01# p157 ±0.2pF GJM0335C1E2R7WB01# p157 ±0.1pF GJM0335C1E2R7WB01# p157 ±0.1pF GJM0335C1E2R7WB01# p157 ±0.2pF GJM0335C1E2R7WB01# p157 ±0.2pF GJM0335C1E2R8WB01# p157 ±0.2pF GJM0335C1E2R8WB01# p157 ±0.2pF GJM0335C1E2R8WB01# p157 ±0.2pF GJM0335C1E2R9WB01# p157 ±0.2pF GJM0335C1E3R9WB01# p157 ±0.2pF GJM0335C1E3R2WB01# p157 ±0.2pF GJM0335C1E3R3WB01# p157					±0.1pF	GJM0335C1E2R5BB01#	p157
# 0.1pF GJM0335C1E2R6B01# p157 c10.2pF GJM0335C1E2R7B001# p157 c10.2pF GJM0335C1E2R7B001# p157 c10.2pF GJM0335C1E2R7B001# p157 c10.2pF GJM0335C1E2R8B01# p157 c10.2pF GJM0335C1E2R8B01# p157 c10.2pF GJM0335C1E2R8B01# p157 c10.2pF GJM0335C1E2R8B01# p157 c10.2pF GJM0335C1E2R9B01# p157 c10.2pF GJM0335C1E3R0B01# c157 c10.2pF					±0.25pF	GJM0335C1E2R5CB01#	p157
±0.25pF GJM0335C1E2R6CB01# p157				2.6pF	±0.05pF	GJM0335C1E2R6WB01#	p157
2.7pF					±0.1pF	GJM0335C1E2R6BB01#	p157
#0.1pF GJM0335C1E2R7BB01# p157 2.8pF 20.05pF GJM0335C1E2R8WB01# p157 2.01pF 20.05pF GJM0335C1E2R8WB01# p157 2.01pF 20.05pF GJM0335C1E2R8WB01# p157 2.01pF 20.05pF GJM0335C1E2R9WB01# p157 2.025pF GJM0335C1E2R9WB01# p157 2.025pF GJM0335C1E2R9WB01# p157 2.025pF GJM0335C1E2R9WB01# p157 2.025pF GJM0335C1E3R0WB01# p157 2.025pF GJM0335C1E3R0WB01# p157 2.01pF GJM0335C1E3R0WB01# p157 2.01pF GJM0335C1E3R0WB01# p157 2.025pF GJM0335C1E3R0WB01# p157 2.025pF GJM0335C1E3R1WB01# p157 2.025pF GJM0335C1E3R2WB01# p157 2.025pF GJM0335C1E3R3WB01# p157 2.025pF GJM0335C1E3RSWB01# p157 2.025p					±0.25pF	GJM0335C1E2R6CB01#	p157
±0.25pF				2.7pF	±0.05pF	GJM0335C1E2R7WB01#	p157
2.8pF					±0.1pF	GJM0335C1E2R7BB01#	p157
#0.1pF GJM0335C1E2R8BB01# p157 #0.25pF GJM0335C1E2R9WB01# p157 #0.1pF GJM0335C1E2R9WB01# p157 #0.1pF GJM0335C1E3R0WB01# p157 #0.1pF GJM0335C1E3R0WB01# p157 #0.1pF GJM0335C1E3R0WB01# p157 #0.1pF GJM0335C1E3RWB01# p157 #0.1pF GJM0335C1E3RWB01# p157 #0.1pF GJM0335C1E3R1WB01# p157 #0.1pF GJM0335C1E3R1WB01# p157 #0.1pF GJM0335C1E3R2WB01# p157 #0.1pF GJM0335C1E3R3WB01# p157 #0.25pF GJM0335C1E3R3WB01# p157 #0.1pF GJM0335C1E3RSWB01# p157 #0.25pF GJM0335C1E3RSW					±0.25pF	GJM0335C1E2R7CB01#	p157
±0.25pF				2.8pF	±0.05pF	GJM0335C1E2R8WB01#	p157
2.9pF ±0.05pF GJM0335C1E2R9WB01# p157 ±0.1pF GJM0335C1E3R0WB01# p157 ±0.25pF GJM0335C1E3R0WB01# p157 ±0.25pF GJM0335C1E3R0WB01# p157 ±0.25pF GJM0335C1E3R0WB01# p157 ±0.25pF GJM0335C1E3R1WB01# p157 ±0.1pF GJM0335C1E3R1WB01# p157 ±0.25pF GJM0335C1E3R1WB01# p157 ±0.25pF GJM0335C1E3R1WB01# p157 ±0.1pF GJM0335C1E3R2WB01# p157 ±0.1pF GJM0335C1E3R2WB01# p157 ±0.1pF GJM0335C1E3R2WB01# p157 ±0.1pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R3WB01# p157 ±0.05pF GJM0335C1E3R3WB01# p157 ±0.05pF GJM0335C1E3R3WB01# p157 ±0.05pF GJM0335C1E3R4WB01# p157 ±0.05pF GJM0335C1E3R4WB01# p157 ±0.05pF GJM0335C1E3R4WB01# p157 ±0.25pF GJM0335C1E3R4WB01# p157 ±0.25pF GJM0335C1E3R5WB01# p157 ±0.25pF GJM0335C1E3R5WB01# p157 ±0.25pF GJM0335C1E3R5WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157					±0.1pF	GJM0335C1E2R8BB01#	p157
#0.1pF GJM0335C1E2R9BB01# p157 #0.25pF GJM0335C1E3R0BB01# p157 #0.1pF GJM0335C1E3R0BB01# p157 #0.25pF GJM0335C1E3R0BB01# p157 #0.1pF GJM0335C1E3R1BB01# p157 #0.25pF GJM0335C1E3R1BB01# p157 #0.25pF GJM0335C1E3R1BB01# p157 #0.1pF GJM0335C1E3R2BB01# p157 #0.1pF GJM0335C1E3R2BB01# p157 #0.1pF GJM0335C1E3R2BB01# p157 #0.1pF GJM0335C1E3R2BB01# p157 #0.1pF GJM0335C1E3R3BB01# p157 #0.1pF GJM0335C1E3R4BB01# p157 #0.1pF GJM0335C1E3R4BB01# p157 #0.1pF GJM0335C1E3R4BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.1pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R0BB01# p157					±0.25pF	GJM0335C1E2R8CB01#	p157
#0.25pF GJM0335C1E2R9CB01# p157 3.0pF #0.05pF GJM0335C1E3R0BB01# p157 #0.1pF GJM0335C1E3R0BB01# p157 #0.1pF GJM0335C1E3R0BB01# p157 #0.1pF GJM0335C1E3R1BB01# p157 #0.25pF GJM0335C1E3R1BB01# p157 #0.25pF GJM0335C1E3R2BB01# p157 #0.25pF GJM0335C1E3R2BB01# p157 #0.25pF GJM0335C1E3R2BB01# p157 #0.25pF GJM0335C1E3R3BB01# p157 #0.25pF GJM0335C1E3R4BB01# p157 #0.25pF GJM0335C1E3R4BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R0B01# p157 #0.25pF				2.9pF	±0.05pF	GJM0335C1E2R9WB01#	p157
3.0pF					±0.1pF	GJM0335C1E2R9BB01#	p157
#10.1pF GJM0335C1E3R0BB01# p157 #0.25pF GJM0335C1E3R1WB01# p157 #0.1pF GJM0335C1E3R1WB01# p157 #0.25pF GJM0335C1E3R1BB01# p157 #0.1pF GJM0335C1E3R2WB01# p157 #0.25pF GJM0335C1E3R2WB01# p157 #0.1pF GJM0335C1E3R2WB01# p157 #0.1pF GJM0335C1E3R3WB01# p157 #0.25pF GJM0335C1E3R3WB01# p157 #0.25pF GJM0335C1E3R5WB01# p157 #0.1pF GJM0335C1E3R5WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R7WB01# p157 #0.25pF GJM0335C1E3R7WB01# p157 #0.25pF GJM0335C1E3R8WB01# p157 #0.25pF GJM0335C1E4R0WB01# p157 #0.25pF GJM0335C1E4R0WB01# p157 #0.25pF GJM0335C1E4R0WB01# p157 #0.25pF GJM0335C1E4R0WB01# p157 #0.25pF GJM0335C1E4R1WB01# p157 #0.25pF GJM0335C1E4R1WB01# p157					±0.25pF	GJM0335C1E2R9CB01#	p157
#0.25pF GJM0335C1E3R0CB01# p157 #0.1pF GJM0335C1E3R1BB01# p157 #0.25pF GJM0335C1E3R2BB01# p157 #0.25pF GJM0335C1E3R2BB01# p157 #0.25pF GJM0335C1E3R2BB01# p157 #0.25pF GJM0335C1E3R2BB01# p157 #0.1pF GJM0335C1E3R3BB01# p157 #0.25pF GJM0335C1E3R4BB01# p157 #0.25pF GJM0335C1E3R4BB01# p157 #0.25pF GJM0335C1E3R4BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E4R0BB01# p157 #0.25pF GJM0335C1E4R0BB01# p157 #0.25pF GJM0335C1E4R0BB01# p157 #0.25pF GJM0335C1E4R1BB01# p157				3.0pF	±0.05pF	GJM0335C1E3R0WB01#	p157
3.1pF ±0.05pF GJM0335C1E3R1WB01# p157 ±0.1pF GJM0335C1E3R1BB01# p157 ±0.25pF GJM0335C1E3R2WB01# p157 ±0.1pF GJM0335C1E3R2WB01# p157 ±0.25pF GJM0335C1E3R2WB01# p157 ±0.25pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R3WB01# p157 ±0.25pF GJM0335C1E3R3WB01# p157 ±0.25pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R4WB01# p157 ±0.25pF GJM0335C1E3R4WB01# p157 ±0.25pF GJM0335C1E3R5WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.05pF GJM0335C1E3R8WB01# p157 ±0.05pF GJM0335C1E3R8WB01# p157 ±0.05pF GJM0335C1E3R8WB01# p157 ±0.05pF GJM0335C1E3R0BB01# p157 ±0.05pF GJM0335C1E4R0WB01# p157 ±0.05pF GJM0335C1E4R0BB01# p157 ±0.05pF GJM0335C1E4R0BB01# p157 ±0.05pF GJM0335C1E4R0BB01# p157 ±0.05pF GJM0335C1E4R0BB01# p157					±0.1pF	GJM0335C1E3R0BB01#	p157
#0.1pF GJM0335C1E3R1BB01# p157 #0.25pF GJM0335C1E3R2WB01# p157 #0.1pF GJM0335C1E3R2WB01# p157 #0.25pF GJM0335C1E3R2WB01# p157 #0.25pF GJM0335C1E3R3WB01# p157 #0.25pF GJM0335C1E3R3WB01# p157 #0.1pF GJM0335C1E3R3WB01# p157 #0.25pF GJM0335C1E3R3WB01# p157 #0.25pF GJM0335C1E3R3WB01# p157 #0.1pF GJM0335C1E3R3WB01# p157 #0.1pF GJM0335C1E3R4WB01# p157 #0.1pF GJM0335C1E3R4WB01# p157 #0.1pF GJM0335C1E3R5WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R7WB01# p157 #0.25pF GJM0335C1E3R7WB01# p157 #0.25pF GJM0335C1E3R8WB01# p157 #0.25pF GJM0335C1E3R8WB01# p157 #0.25pF GJM0335C1E3R8WB01# p157 #0.25pF GJM0335C1E3R8WB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E3R0BB01# p157 #0.25pF GJM0335C1E3R0BB01# p157 #0.25pF GJM0335C1E4R0BB01# p157					±0.25pF	GJM0335C1E3R0CB01#	p157
#0.25pF GJM0335C1E3R1CB01# p157 #0.05pF GJM0335C1E3R2WB01# p157 #0.25pF GJM0335C1E3R2CB01# p157 #0.25pF GJM0335C1E3R3WB01# p157 #0.1pF GJM0335C1E3R3WB01# p157 #0.1pF GJM0335C1E3R3WB01# p157 #0.25pF GJM0335C1E3R3CB01# p157 #0.25pF GJM0335C1E3R3CB01# p157 #0.25pF GJM0335C1E3R4WB01# p157 #0.25pF GJM0335C1E3R4WB01# p157 #0.25pF GJM0335C1E3R4WB01# p157 #0.25pF GJM0335C1E3R5WB01# p157 #0.25pF GJM0335C1E3R5WB01# p157 #0.25pF GJM0335C1E3R5WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R7WB01# p157 #0.1pF GJM0335C1E3R7WB01# p157 #0.25pF GJM0335C1E3R8WB01# p157 #0.25pF GJM0335C1E3R9WB01# p157 #0.25pF GJM0335C1E3R9WB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E4R0WB01# p157 #0.25pF GJM0335C1E4R0WB01# p157 #0.25pF GJM0335C1E4R0WB01# p157 #0.25pF GJM0335C1E4R0BB01# p157				3.1pF	±0.05pF	GJM0335C1E3R1WB01#	p157
3.2pF ±0.05pF GJM0335C1E3R2WB01# p157 ±0.1pF GJM0335C1E3R2BB01# p157 ±0.25pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R3WB01# p157 ±0.25pF GJM0335C1E3R3WB01# p157 ±0.25pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R4WB01# p157 ±0.25pF GJM0335C1E3R4WB01# p157 ±0.25pF GJM0335C1E3R5WB01# p157 ±0.1pF GJM0335C1E3R5WB01# p157 ±0.1pF GJM0335C1E3R5WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.1pF GJM0335C1E3R6WB01# p157 ±0.1pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157					±0.1pF	GJM0335C1E3R1BB01#	p157
#0.1pF GJM0335C1E3R2BB01# p157 #0.25pF GJM0335C1E3R3WB01# p157 #0.1pF GJM0335C1E3R3BB01# p157 #0.25pF GJM0335C1E3R3BB01# p157 #0.25pF GJM0335C1E3R3BB01# p157 #0.25pF GJM0335C1E3R4WB01# p157 #0.1pF GJM0335C1E3R4WB01# p157 #0.25pF GJM0335C1E3R4BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R6WB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R7WB01# p157 #0.25pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E4R0WB01# p157							-
#0.25pF GJM0335C1E3R2CB01# p157 #0.1pF GJM0335C1E3R3BB01# p157 #0.25pF GJM0335C1E3R3CB01# p157 #0.25pF GJM0335C1E3R3CB01# p157 #0.1pF GJM0335C1E3R4WB01# p157 #0.25pF GJM0335C1E3R4WB01# p157 #0.25pF GJM0335C1E3R4CB01# p157 #0.25pF GJM0335C1E3R5CB01# p157 #0.25pF GJM0335C1E3R5CB01# p157 #0.25pF GJM0335C1E3R5CB01# p157 #0.25pF GJM0335C1E3R5CB01# p157 #0.25pF GJM0335C1E3R6CB01# p157 #0.25pF GJM0335C1E3R6CB01# p157 #0.25pF GJM0335C1E3R6CB01# p157 #0.25pF GJM0335C1E3R7WB01# p157 #0.1pF GJM0335C1E3R7WB01# p157 #0.1pF GJM0335C1E3R7BB01# p157 #0.1pF GJM0335C1E3R8WB01# p157 #0.1pF GJM0335C1E3R8WB01# p157 #0.25pF GJM0335C1E3R9WB01# p157 #0.25pF GJM0335C1E3R9WB01# p157 #0.25pF GJM0335C1E3R9WB01# p157 #0.25pF GJM0335C1E4R0WB01# p157				3.2pF			
3.3pF ±0.05pF GJM0335C1E3R3WB01# p157 ±0.1pF GJM0335C1E3R3BB01# p157 ±0.25pF GJM0335C1E3R3CB01# p157 ±0.1pF GJM0335C1E3R4WB01# p157 ±0.1pF GJM0335C1E3R4WB01# p157 ±0.25pF GJM0335C1E3R5WB01# p157 ±0.1pF GJM0335C1E3R5WB01# p157 ±0.1pF GJM0335C1E3R5CB01# p157 ±0.25pF GJM0335C1E3R5CB01# p157 ±0.1pF GJM0335C1E3R6WB01# p157 ±0.1pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.1pF GJM0335C1E3R7WB01# p157 ±0.1pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R9BB01# p157 ±0.1pF GJM0335C1E3R9BB01# p157 ±0.1pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157							i
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3.4pF ±0.05pF GJM0335C1E3R4WB01# p157 ±0.1pF GJM0335C1E3R4BB01# p157 ±0.25pF GJM0335C1E3R5WB01# p157 ±0.1pF GJM0335C1E3R5WB01# p157 ±0.1pF GJM0335C1E3R5WB01# p157 ±0.25pF GJM0335C1E3R5WB01# p157 ±0.1pF GJM0335C1E3R6WB01# p157 ±0.1pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R6WB01# p157 ±0.1pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157					-		-
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#0.25pF GJM0335C1E3R4CB01# p157 #0.1pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R5BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.1pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.25pF GJM0335C1E3R6BB01# p157 #0.1pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R7BB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E3R8BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E3R9BB01# p157 #0.25pF GJM0335C1E4R0BB01# p157				3.4pF			
3.5pF ±0.05pF GJM0335C1E3R5WB01# p157 ±0.1pF GJM0335C1E3R5BB01# p157 ±0.25pF GJM0335C1E3R5CB01# p157 ±0.1pF GJM0335C1E3R6WB01# p157 ±0.1pF GJM0335C1E3R6WB01# p157 ±0.25pF GJM0335C1E3R6CB01# p157 ±0.1pF GJM0335C1E3R7WB01# p157 ±0.1pF GJM0335C1E3R7WB01# p157 ±0.25pF GJM0335C1E3R7WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R1WB01# p157							i
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±0.25pF GJM0335C1E3R6CB01# p157 3.7pF ±0.05pF GJM0335C1E3R7WB01# p157 ±0.1pF GJM0335C1E3R7BB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8BB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9CB01# p157 ±0.1pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R1WB01# p157				3.0рі			i –
3.7pF ±0.05pF GJM0335C1E3R7WB01# p157 ±0.1pF GJM0335C1E3R7BB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8BB01# p157 ±0.25pF GJM0335C1E3R8BB01# p157 ±0.25pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E3R9CB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R1WB01# p157					-		i –
±0.1pF GJM0335C1E3R7BB01# p157 ±0.25pF GJM0335C1E3R7BB01# p157 3.8pF ±0.05pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8BB01# p157 ±0.25pF GJM0335C1E3R8BB01# p157 ±0.1pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1WB01# p157				3.7pF			i –
±0.25pF GJM0335C1E3R7CB01# p157 3.8pF ±0.05pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8BB01# p157 ±0.25pF GJM0335C1E3R8CB01# p157 ±0.05pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9CB01# p157 ±0.25pF GJM0335C1E3R9CB01# p157 ±0.05pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 ±0.25pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1WB01# p157							-
3.8pF ±0.05pF GJM0335C1E3R8WB01# p157 ±0.1pF GJM0335C1E3R8BB01# p157 ±0.25pF GJM0335C1E3R8CB01# p157 3.9pF ±0.05pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9WB01# p157 ±0.25pF GJM0335C1E3R9CB01# p157 4.0pF ±0.05pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1WB01# p157							i –
±0.1pF GJM0335C1E3R8BB01# p157 ±0.25pF GJM0335C1E3R8CB01# p157 3.9pF ±0.05pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E3R9CB01# p157 4.0pF ±0.05pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 ±0.25pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1WB01# p157				3.8pF			-
±0.25pF GJM0335C1E3R8CB01# p157 3.9pF ±0.05pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E3R9CB01# p157 4.0pF ±0.05pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 ±0.25pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1WB01# p157					-		i –
3.9pF ±0.05pF GJM0335C1E3R9WB01# p157 ±0.1pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E3R9CB01# p157 4.0pF ±0.05pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 4.1pF ±0.05pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1BB01# p157							i –
±0.1pF GJM0335C1E3R9BB01# p157 ±0.25pF GJM0335C1E3R9CB01# p157 4.0pF ±0.05pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 4.1pF ±0.05pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1BB01# p157				3.9pF			·
±0.25pF GJM0335C1E3R9CB01# p157 4.0pF ±0.05pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 4.1pF ±0.05pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1BB01# p157					-		<u> </u>
4.0pF ±0.05pF GJM0335C1E4R0WB01# p157 ±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 4.1pF ±0.05pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1BB01# p157					-		
±0.1pF GJM0335C1E4R0BB01# p157 ±0.25pF GJM0335C1E4R0CB01# p157 4.1pF ±0.05pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1BB01# p157				4.0pF			<u> </u>
±0.25pF GJM0335C1E4R0CB01# p157 4.1pF ±0.05pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1BB01# p157				'	-		
4.1pF ±0.05pF GJM0335C1E4R1WB01# p157 ±0.1pF GJM0335C1E4R1BB01# p157					-		<u> </u>
±0.1pF GJM0335C1E4R1BB01# p157				4.1pF			<u> </u>
							i
							p157

Part number # indicates the package specification code.

 $[\]mbox{\ensuremath{\raisebox{.4ex}{\star}}}\colon \mbox{\ensuremath{\mbox{Refers}}}$ to the page of the "Specifications and Test Methods".

// GRM

GR3

GRJ

GR7 // G

GA2 // GQM

GA3 GD

GF GF

 \exists

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GJM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	р*
0.33mm	25Vdc	COG	4.2pF	±0.05pF	GJM0335C1E4R2WB01#	p157
				±0.1pF	GJM0335C1E4R2BB01#	p157
				±0.25pF	GJM0335C1E4R2CB01#	p157
			4.3pF	±0.05pF	GJM0335C1E4R3WB01#	p157
				±0.1pF	GJM0335C1E4R3BB01#	p157
				±0.25pF	GJM0335C1E4R3CB01#	p157
			4.4pF	±0.05pF	GJM0335C1E4R4WB01#	p157
				±0.1pF	GJM0335C1E4R4BB01#	p157
				±0.25pF	GJM0335C1E4R4CB01#	p157
			4.5pF	±0.05pF	GJM0335C1E4R5WB01#	p157
				±0.1pF	GJM0335C1E4R5BB01#	p157
				±0.25pF	GJM0335C1E4R5CB01#	p157
			4.6pF	±0.05pF	GJM0335C1E4R6WB01#	p157
				±0.1pF	GJM0335C1E4R6BB01#	p157
				±0.25pF	GJM0335C1E4R6CB01#	p157
		[4.7pF	±0.05pF	GJM0335C1E4R7WB01#	p157
				±0.1pF	GJM0335C1E4R7BB01#	p157
				±0.25pF	GJM0335C1E4R7CB01#	p157
		[4.8pF	±0.05pF	GJM0335C1E4R8WB01#	p157
				±0.1pF	GJM0335C1E4R8BB01#	p157
				±0.25pF	GJM0335C1E4R8CB01#	p157
			4.9pF	±0.05pF	GJM0335C1E4R9WB01#	p157
				±0.1pF	GJM0335C1E4R9BB01#	p157
				±0.25pF	GJM0335C1E4R9CB01#	p157
			5.0pF	±0.05pF	GJM0335C1E5R0WB01#	p157
				±0.1pF	GJM0335C1E5R0BB01#	p157
				±0.25pF	GJM0335C1E5R0CB01#	p157
			5.1pF	±0.05pF	GJM0335C1E5R1WB01#	p157
				±0.1pF	GJM0335C1E5R1BB01#	p157
				±0.25pF	GJM0335C1E5R1CB01#	p157
				±0.5pF	GJM0335C1E5R1DB01#	p157
			5.2pF	±0.05pF		p157
				±0.1pF	GJM0335C1E5R2BB01#	p157
					GJM0335C1E5R2CB01#	p157
				±0.5pF	GJM0335C1E5R2DB01#	p157
			5.3pF			p157
				±0.1pF	GJM0335C1E5R3BB01#	p157
					GJM0335C1E5R3CB01#	p157
			F 40 F	±0.5pF	GJM0335C1E5R3DB01#	p157
			5.4pF		GJM0335C1E5R4WB01#	p157
				±0.1pF	GJM0335C1E5R4BB01#	p157
				· ·	GJM0335C1E5R4CB01#	p157
				±0.5pF	GJM0335C1E5R4DB01#	p157
			5.5pF	-		p157
				±0.1pF	GJM0335C1E5R5BB01#	p157
				-	GJM0335C1E5R5CB01#	p157
			F C F	±0.5pF	GJM0335C1E5R5DB01#	p157
			5.6pF	-		p157
				±0.1pF	GJM0335C1E5R6BB01#	p157
				·	GJM0335C1E5R6CB01#	p157
			E 7- F	±0.5pF	GJM0335C1E5R6DB01#	p157
			5.7pF			p157
				±0.1pF	GJM0335C1E5R7BB01#	p157
				±0.25pF	GJM0335C1E5R7CB01#	p157

0.33mm 25Vdb COG	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
10.1pF GJMO33SC1E5R8BB01# p157 10.5pF GJMO33SC1E5R9BB01# p157 10.5pF GJMO33SC1E6R0B001# p157 10.5pF GJMO33SC1E6R3B001# p157 10.5pF GJMO33SC1E6R3B001# p157 10.5pF GJMO33SC1E6R3B001# p157 10.5pF GJMO33SC1E6R4B001# p157 10.5pF GJMO33SC1E6RSB001# p157 10.5pF GJMO3	0.33mm	25Vdc	COG	5.7pF	±0.5pF	GJM0335C1E5R7DB01#	p157
10.25pF 20.05pF 20.0				5.8pF	±0.05pF	GJM0335C1E5R8WB01#	p157
10.5pF 10.05pF 10.05					±0.1pF	GJM0335C1E5R8BB01#	p157
S.9pF					±0.25pF	GJM0335C1E5R8CB01#	p157
#0.1pF GJM0335C1E5R9B01# p157 p					±0.5pF	GJM0335C1E5R8DB01#	p157
#0.25pF GJM0335C1E6R9DB01# p157 #0.1pF GJM0335C1E6R0BB01# p157 #0.1pF GJM0335C1E6R1BB01# p157 #0.25pF GJM0335C1E6R1BB01# p157 #0.1pF GJM0335C1E6R1BB01# p157 #0.1pF GJM0335C1E6R1BB01# p157 #0.1pF GJM0335C1E6R1BB01# p157 #0.1pF GJM0335C1E6R2BB01# p157 #0.1pF GJM0335C1E6R2BB01# p157 #0.1pF GJM0335C1E6R2BB01# p157 #0.1pF GJM0335C1E6R3BB01# p157 #0.25pF GJM0335C1E6R3BB01# p157 #0.5pF GJM0335C1E6R3BB01# p157 #0.5pF GJM0335C1E6R3BB01# p157 #0.5pF GJM0335C1E6R4BB01# p157 #0.5pF GJM0335C1E6R4BB01# p157 #0.5pF GJM0335C1E6R5BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R8BB01# p157 #0.5pF GJM0335C1E6RBBB01# p157 #0.5pF GJM0335C1E6RBBB01# p1				5.9pF	±0.05pF	GJM0335C1E5R9WB01#	p157
#0.5pF GJM0335C1E6R0WB01# p157 e0.25pF GJM0335C1E6R0WB01# p157 e0.25pF GJM0335C1E6R0WB01# p157 e0.25pF GJM0335C1E6R0WB01# p157 e0.25pF GJM0335C1E6R1WB01# p157 e0.25pF GJM0335C1E6R2WB01# p157 e0.25pF GJM0335C1E6R3WB01# p157 e0.25pF GJM0335C1E6R3WB01# p157 e0.25pF GJM0335C1E6R3WB01# p157 e0.25pF GJM0335C1E6R4WB01# p157 e0.25pF GJM0335C1E6R4WB01# p157 e0.25pF GJM0335C1E6R4WB01# p157 e0.25pF GJM0335C1E6R4WB01# p157 e0.25pF GJM0335C1E6R5WB01# p157 e0.25pF GJM0335C1E6R5WB01# p157 e0.25pF GJM0335C1E6R5WB01# p157 e0.25pF GJM0335C1E6R6WB01# p157 e0.25pF GJM0335C1E6R8WB01# p1					±0.1pF	GJM0335C1E5R9BB01#	p157
6.0pF ±0.05pF GJM0335C1E6R0WB01# p157 ±0.25pF GJM0335C1E6R0B01# p157 ±0.5pF GJM0335C1E6R0B01# p157 ±0.5pF GJM0335C1E6R1WB01# p157 ±0.5pF GJM0335C1E6R1WB01# p157 ±0.5pF GJM0335C1E6R1WB01# p157 ±0.5pF GJM0335C1E6R2WB01# p157 ±0.5pF GJM0335C1E6R2WB01# p157 ±0.5pF GJM0335C1E6R2WB01# p157 ±0.25pF GJM0335C1E6R2WB01# p157 ±0.5pF GJM0335C1E6R2WB01# p157 ±0.5pF GJM0335C1E6R2WB01# p157 ±0.5pF GJM0335C1E6R3WB01# p157 ±0.5pF GJM0335C1E6R4WB01# p157 ±0.5pF GJM0335C1E6R4WB01# p157 ±0.5pF GJM0335C1E6R5WB01# p157 ±0.5pF GJM0335C1E6R6WB01# p157 ±0.5pF GJM0335C1E6R6WB01# p157 ±0.5pF GJM0335C1E6R7WB01# p157 ±0.5pF GJM0335C1E6R7WB01# p157 ±0.5pF GJM0335C1E6R7WB01# p157 ±0.5pF GJM0335C1E6R5WB01# p157 ±0.5pF GJM0335C1E6R8WB01# p157 ±0					±0.25pF	GJM0335C1E5R9CB01#	p157
# 10.1pF GJM0335C1E6R0BB01# p157				±0.5pF	GJM0335C1E5R9DB01#	p157	
#0.25pF GJM0335C1E6R0B01# p157 #0.1pF dJM0335C1E6R1BB01# p157 #0.1pF dJM0335C1E6R1BB01# p157 #0.25pF GJM0335C1E6R1BB01# p157 #0.1pF dJM0335C1E6R1BB01# p157 #0.1pF dJM0335C1E6R1BB01# p157 #0.1pF dJM0335C1E6R2BB01# p157 #0.1pF dJM0335C1E6R2BB01# p157 #0.1pF dJM0335C1E6R2BB01# p157 #0.5pF dJM0335C1E6R2BB01# p157 #0.5pF dJM0335C1E6R2BB01# p157 #0.5pF dJM0335C1E6R3BB01# p157 #0.5pF dJM0335C1E6R4BB01# p157 #0.5pF dJM0335C1E6R5BB01# p157 #0.5pF dJM0335C1E6R5BB01# p157 #0.5pF dJM0335C1E6R5BB01# p157 #0.5pF dJM0335C1E6R5BB01# p157 #0.5pF dJM0335C1E6R6BB01# p157 #0.5pF dJM0335C1E6R8BB01# p157				6.0pF	±0.05pF	GJM0335C1E6R0WB01#	p157
### 10.5pF GJM0335C1E6R0DB01# p157 ### 20.25pF GJM0335C1E6R1BB01# p157 ### 20.25pF GJM0335C1E6R1BB01# p157 ### 20.25pF GJM0335C1E6R2BB01# p157 ### 20.5pF GJM0335C1E6R3BB01# p157 ### 20.5pF GJM0335C1E6R3BB01# p157 ### 20.5pF GJM0335C1E6R3BB01# p157 ### 20.5pF GJM0335C1E6R3BB01# p157 ### 20.5pF GJM0335C1E6R4BB01# p157 ### 20.5pF GJM0335C1E6R4BB01# p157 ### 20.5pF GJM0335C1E6R4BB01# p157 ### 20.5pF GJM0335C1E6R5BB01# p157 ### 20.5pF GJM0335C1E6R6BB01# p157 ### 20.5pF GJM0335C1E6R8BB01#					±0.1pF	GJM0335C1E6R0BB01#	p157
6.1pF					±0.25pF	GJM0335C1E6R0CB01#	p157
# 0.1pF GJM0335C1E6R1BB01# p157 # 0.25pF GJM0335C1E6R1CB01# p157 # 0.5pF GJM0335C1E6R2BB01# p157 # 0.1pF GJM0335C1E6R2BB01# p157 # 0.25pF GJM0335C1E6R2BB01# p157 # 0.5pF GJM0335C1E6R2BB01# p157 # 0.5pF GJM0335C1E6R2BB01# p157 # 0.1pF GJM0335C1E6R3BB01# p157 # 0.1pF GJM0335C1E6R3BB01# p157 # 0.1pF GJM0335C1E6R3BB01# p157 # 0.5pF GJM0335C1E6R4BB01# p157 # 0.5pF GJM0335C1E6R5BB01# p157 # 0.5pF GJM0335C1E6R5BB01# p157 # 0.5pF GJM0335C1E6R5B01# p157 # 0.5pF GJM0335C1E6R6BB01# p157 # 0.5pF GJM0335C1E6R7BB01# p157 # 0.5pF GJM0335C1E6R7BB01# p157 # 0.5pF GJM0335C1E6R7BB01# p157 # 0.5pF GJM0335C1E6R7BB01# p157 # 0.5pF GJM0335C1E6R8BB01# p157 # 0.5pF GJM0335C1E6R0BB01# p157 # 0.5pF GJM0335C1E6R0BB01# p1					±0.5pF	GJM0335C1E6R0DB01#	p157
±0.25pF GJM0335C1E6R1CB01# p157				6.1pF	±0.05pF	GJM0335C1E6R1WB01#	p157
### 20.5pF GJM0335C1E6R1DB01# p157 ### 20.5pF GJM0335C1E6R2BB01# p157 ### 20.5pF GJM0335C1E6R2BB01# p157 ### 20.5pF GJM0335C1E6R2BB01# p157 ### 20.5pF GJM0335C1E6R3BB01# p157 ### 20.5pF GJM0335C1E6R4BB01# p157 ### 20.5pF GJM0335C1E6R4BB01# p157 ### 20.5pF GJM0335C1E6R5BB01# p157 ### 20.5pF GJM0335C1E6R5BB01# p157 ### 20.5pF GJM0335C1E6R5BB01# p157 ### 20.5pF GJM0335C1E6R5BB01# p157 ### 20.5pF GJM0335C1E6R6BB01# p157 ### 20.5pF GJM0335C1E6R7BB01# p157 ### 20.5pF GJM0335C1E6R7BB01# p157 ### 20.5pF GJM0335C1E6R7BB01# p157 ### 20.5pF GJM0335C1E6R7BB01# p157 ### 20.5pF GJM0335C1E6R8BB01# p157 ### 20.5pF GJM0335C1E6R9BB01# p15					±0.1pF	GJM0335C1E6R1BB01#	p157
6.2pF ±0.05pF GJM0335C1E6R2WB01# p157					±0.25pF	GJM0335C1E6R1CB01#	p157
#0.1pF GJM0335C1E6R2BB01# p157 #0.25pF GJM0335C1E6R2CB01# p157 #0.5pF GJM0335C1E6R2BB01# p157 #0.1pF GJM0335C1E6R3BB01# p157 #0.5pF GJM0335C1E6R3BB01# p157 #0.5pF GJM0335C1E6R3BB01# p157 #0.5pF GJM0335C1E6R3BB01# p157 #0.1pF GJM0335C1E6R3BB01# p157 #0.1pF GJM0335C1E6R4BB01# p157 #0.25pF GJM0335C1E6R4BB01# p157 #0.5pF GJM0335C1E6R4BB01# p157 #0.5pF GJM0335C1E6R4BB01# p157 #0.5pF GJM0335C1E6R4BB01# p157 #0.5pF GJM0335C1E6R5BB01# p157 #0.1pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R5BB01# p157 #0.5pF GJM0335C1E6R8BB01# p157 #0.5pF GJM0335C1E6R9BB01# p157 #0.5pF GJM0335C1E6R0BB01# p157 #0.5pF GJM0335C1E6R0BB01# p157					±0.5pF	GJM0335C1E6R1DB01#	p157
#0.25pF GJM0335C1E6R2CB01# p157 #0.5pF GJM0335C1E6R3WB01# p157 #0.1pF GJM0335C1E6R3WB01# p157 #0.25pF GJM0335C1E6R3BB01# p157 #0.25pF GJM0335C1E6R3BB01# p157 #0.25pF GJM0335C1E6R3BB01# p157 #0.25pF GJM0335C1E6R4WB01# p157 #0.25pF GJM0335C1E6R4WB01# p157 #0.5pF GJM0335C1E6R4BB01# p157 #0.5pF GJM0335C1E6R5BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R7BB01# p157 #0.5pF GJM0335C1E6R7BB01# p157 #0.25pF GJM0335C1E6R7BB01# p157 #0.25pF GJM0335C1E6R7BB01# p157 #0.25pF GJM0335C1E6R8BB01# p157 #0.25pF GJM0335C1E6R8BB01# p157 #0.25pF GJM0335C1E6R8BB01# p157 #0.5pF GJM0335C1E6R9BB01# p157 #0.5pF GJM0335C1E6				6.2pF	±0.05pF	GJM0335C1E6R2WB01#	p157
# ±0.5pF GJM0335C1E6R2DB01# p157 # ±0.5pF GJM0335C1E6R3WB01# p157 # ±0.25pF GJM0335C1E6R3WB01# p157 # ±0.5pF GJM0335C1E6R3CB01# p157 # ±0.5pF GJM0335C1E6R4WB01# p157 # ±0.5pF GJM0335C1E6R5WB01# p157 # ±0.5pF GJM0335C1E6R5WB01# p157 # ±0.5pF GJM0335C1E6R5WB01# p157 # ±0.5pF GJM0335C1E6R5WB01# p157 # ±0.5pF GJM0335C1E6R6WB01# p157 # ±0.5pF GJM0335C1E6R6WB01# p157 # ±0.5pF GJM0335C1E6R6WB01# p157 # ±0.5pF GJM0335C1E6R6BB01# p157 # ±0.5pF GJM0335C1E6R7WB01# p157 # ±0.5pF GJM0335C1E6R7WB01# p157 # ±0.25pF GJM0335C1E6R7WB01# p157 # ±0.5pF GJM0335C1E6R7WB01# p157 # ±0.5pF GJM0335C1E6R8BB01# p157 # ±0.5pF GJM0335C1E6R9BB01# p157 # ±					±0.1pF	GJM0335C1E6R2BB01#	p157
6.3pF ±0.05pF GJM0335C1E6R3WB01# p157 ±0.1pF GJM0335C1E6R3BB01# p157 ±0.25pF GJM0335C1E6R3BB01# p157 ±0.5pF GJM0335C1E6R3BB01# p157 ±0.1pF GJM0335C1E6R4WB01# p157 ±0.1pF GJM0335C1E6R4BB01# p157 ±0.25pF GJM0335C1E6R4BB01# p157 ±0.25pF GJM0335C1E6R4BB01# p157 ±0.1pF GJM0335C1E6R5WB01# p157 ±0.1pF GJM0335C1E6R5BB01# p157 ±0.25pF GJM0335C1E6R5BB01# p157 ±0.5pF GJM0335C1E6R5BB01# p157 ±0.25pF GJM0335C1E6R6WB01# p157 ±0.25pF GJM0335C1E6R6BB01# p157 ±0.25pF GJM0335C1E6R6BB01# p157 ±0.25pF GJM0335C1E6R6BB01# p157 ±0.25pF GJM0335C1E6R6BB01# p157 ±0.25pF GJM0335C1E6R7BB01# p157 ±0.25pF GJM0335C1E6R7BB01# p157 ±0.25pF GJM0335C1E6R7BB01# p157 ±0.25pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9BB01# p157 ±0.5pF GJM0335C1E6R9BB01# p157					±0.25pF	GJM0335C1E6R2CB01#	p157
#0.1pF GJM0335C1E6R3BB01# p157 #0.25pF GJM0335C1E6R3CB01# p157 #0.5pF GJM0335C1E6R3CB01# p157 #0.1pF GJM0335C1E6R4WB01# p157 #0.25pF GJM0335C1E6R4CB01# p157 #0.25pF GJM0335C1E6R4CB01# p157 #0.5pF GJM0335C1E6R4CB01# p157 #0.5pF GJM0335C1E6R4CB01# p157 #0.1pF GJM0335C1E6R5WB01# p157 #0.25pF GJM0335C1E6R5WB01# p157 #0.5pF GJM0335C1E6R5CB01# p157 #0.5pF GJM0335C1E6R5CB01# p157 #0.1pF GJM0335C1E6R6WB01# p157 #0.25pF GJM0335C1E6R6CB01# p157 #0.25pF GJM0335C1E6R6CB01# p157 #0.25pF GJM0335C1E6R6CB01# p157 #0.25pF GJM0335C1E6R6CB01# p157 #0.25pF GJM0335C1E6R7CB01# p157 #0.25pF GJM0335C1E6R7CB01# p157 #0.25pF GJM0335C1E6R8BB01# p157 #0.5pF GJM0335C1E6R9WB01# p157 #0.5pF GJM0335C1E6R9BB01# p157 #0.5pF GJM0335C1E7R0BB01# p157					±0.5pF	GJM0335C1E6R2DB01#	p157
±0.25pF GJM0335C1E6R3CB01# p157				6.3pF	±0.05pF	GJM0335C1E6R3WB01#	p157
#0.5pF GJM0335C1E6R3DB01# p157 #0.1pF GJM0335C1E6R4WB01# p157 #0.25pF GJM0335C1E6R4CB01# p157 #0.5pF GJM0335C1E6R4CB01# p157 #0.5pF GJM0335C1E6R4CB01# p157 #0.1pF GJM0335C1E6R5WB01# p157 #0.1pF GJM0335C1E6R5BB01# p157 #0.1pF GJM0335C1E6R5CB01# p157 #0.5pF GJM0335C1E6R5CB01# p157 #0.5pF GJM0335C1E6R5CB01# p157 #0.5pF GJM0335C1E6R6CB01# p157 #0.5pF GJM0335C1E6R6CB01# p157 #0.5pF GJM0335C1E6R6CB01# p157 #0.5pF GJM0335C1E6R6CB01# p157 #0.5pF GJM0335C1E6R7CB01# p157 #0.25pF GJM0335C1E6R7CB01# p157 #0.25pF GJM0335C1E6R7CB01# p157 #0.5pF GJM0335C1E6R8B01# p157 #0.5pF GJM0335C1E6R9B01# p157 #0.5pF GJM0335C1E7R0B01# p157					±0.1pF	GJM0335C1E6R3BB01#	p157
6.4pF					±0.25pF	GJM0335C1E6R3CB01#	p157
#0.1pF GJM0335C1E6R4BB01# p157 #0.25pF GJM0335C1E6R4CB01# p157 #0.5pF GJM0335C1E6R4DB01# p157 #0.1pF GJM0335C1E6R5BB01# p157 #0.25pF GJM0335C1E6R5BB01# p157 #0.25pF GJM0335C1E6R5BB01# p157 #0.25pF GJM0335C1E6R5BB01# p157 #0.1pF GJM0335C1E6R6BB01# p157 #0.25pF GJM0335C1E6R6BB01# p157 #0.25pF GJM0335C1E6R6BB01# p157 #0.25pF GJM0335C1E6R6DB01# p157 #0.5pF GJM0335C1E6R6DB01# p157 #0.1pF GJM0335C1E6R6DB01# p157 #0.25pF GJM0335C1E6R7BB01# p157 #0.25pF GJM0335C1E6R7BB01# p157 #0.25pF GJM0335C1E6R8BB01# p157 #0.25pF GJM0335C1E6R9BB01# p157 #0.25pF GJM0335C1E7R0BB01# p157 #0.25pF GJM0335C1E7R0BB01# p157 #0.25pF GJM0335C1E7R0BB01# p157 #0.25pF GJM0335C1E7R0BB01# p157					±0.5pF	GJM0335C1E6R3DB01#	p157
#0.25pF GJM0335C1E6R4CB01# p157 #0.5pF GJM0335C1E6R5WB01# p157 #0.1pF GJM0335C1E6R5WB01# p157 #0.25pF GJM0335C1E6R5BB01# p157 #0.25pF GJM0335C1E6R5BB01# p157 #0.5pF GJM0335C1E6R5DB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.1pF GJM0335C1E6R6BB01# p157 #0.25pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R6BB01# p157 #0.5pF GJM0335C1E6R7WB01# p157 #0.1pF GJM0335C1E6R7BB01# p157 #0.25pF GJM0335C1E6R7BB01# p157 #0.25pF GJM0335C1E6R7BB01# p157 #0.5pF GJM0335C1E6R8WB01# p157 #0.5pF GJM0335C1E6R8BB01# p157 #0.25pF GJM0335C1E6R8BB01# p157 #0.25pF GJM0335C1E6R8BB01# p157 #0.5pF GJM0335C1E6R8BB01# p157 #0.5pF GJM0335C1E6R8BB01# p157 #0.5pF GJM0335C1E6R8BB01# p157 #0.5pF GJM0335C1E6R9BB01# p157 #0.5pF GJM0335C1E6R9BB01# p157 #0.5pF GJM0335C1E6R9BB01# p157 #0.5pF GJM0335C1E7R0WB01# p157 #0.5pF GJM0335C1E7R0WB01# p157 #0.5pF GJM0335C1E7R0BB01# p157 #0.5pF GJM0335C1E7R0BB01# p157 #0.5pF GJM0335C1E7R0BB01# p157				6.4pF	±0.05pF	GJM0335C1E6R4WB01#	p157
### ### ##############################					±0.1pF	GJM0335C1E6R4BB01#	p157
6.5pF ±0.05pF GJM0335C1E6R5WB01# p157 ±0.1pF GJM0335C1E6R5B01# p157 ±0.5pF GJM0335C1E6R5DB01# p157 ±0.5pF GJM0335C1E6R6WB01# p157 ±0.1pF GJM0335C1E6R6BB01# p157 ±0.1pF GJM0335C1E6R6BB01# p157 ±0.5pF GJM0335C1E6R6BB01# p157 ±0.5pF GJM0335C1E6R6DB01# p157 ±0.1pF GJM0335C1E6R7WB01# p157 ±0.1pF GJM0335C1E6R7BB01# p157 ±0.5pF GJM0335C1E6R7BB01# p157 ±0.5pF GJM0335C1E6R7BB01# p157 ±0.5pF GJM0335C1E6R8BB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8BB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9BB01# p157 ±0.5pF GJM0335C1E6R9BB01# p157 ±0.5pF GJM0335C1E6R9BB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157							p157
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±0.1pF GJM0335C1E6R6BB01# p157 ±0.25pF GJM0335C1E6R6CB01# p157 ±0.5pF GJM0335C1E6R6DB01# p157 ±0.1pF GJM0335C1E6R7BB01# p157 ±0.25pF GJM0335C1E6R7CB01# p157 ±0.5pF GJM0335C1E6R7DB01# p157 ±0.5pF GJM0335C1E6R8BB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8BB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.5pF GJM0335C1E6R8BB01# p157 ±0.5pF GJM0335C1E6R9BB01# p157 ±0.5pF GJM0335C1E6R9BB01# p157 ±0.5pF GJM0335C1E6R9BB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157				6.65			
±0.25pF GJM0335C1E6R6CB01# p157 ±0.5pF GJM0335C1E6R6DB01# p157 6.7pF ±0.05pF GJM0335C1E6R7WB01# p157 ±0.1pF GJM0335C1E6R7B01# p157 ±0.25pF GJM0335C1E6R7CB01# p157 ±0.5pF GJM0335C1E6R7DB01# p157 ±0.1pF GJM0335C1E6R8WB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.1pF GJM0335C1E6R9WB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157				6.6рг			-
±0.5pF GJM0335C1E6R6DB01# p157 6.7pF ±0.05pF GJM0335C1E6R7WB01# p157 ±0.1pF GJM0335C1E6R7BB01# p157 ±0.25pF GJM0335C1E6R7DB01# p157 ±0.5pF GJM0335C1E6R8WB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8BB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.05pF GJM0335C1E6R9BB01# p157 ±0.05pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157					-		
6.7pF ±0.05pF GJM0335C1E6R7WB01# p157 ±0.1pF GJM0335C1E6R7BB01# p157 ±0.25pF GJM0335C1E6R7CB01# p157 ±0.5pF GJM0335C1E6R7DB01# p157 ±0.1pF GJM0335C1E6R8WB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8DB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.05pF GJM0335C1E6R9BB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157							-
±0.1pF GJM0335C1E6R7BB01# p157 ±0.25pF GJM0335C1E6R7DB01# p157 ±0.5pF GJM0335C1E6R7DB01# p157 ±0.1pF GJM0335C1E6R8WB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8DB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0BB01# p157				6 7pF			-
±0.25pF GJM0335C1E6R7CB01# p157 ±0.5pF GJM0335C1E6R7DB01# p157 6.8pF ±0.05pF GJM0335C1E6R8WB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8DB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9CB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E7R0BB01# p157 ±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157				0.7 pi			-
±0.5pF GJM0335C1E6R7DB01# p157 6.8pF ±0.05pF GJM0335C1E6R8WB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8CB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.05pF GJM0335C1E6R9WB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9CB01# p157 ±0.5pF GJM0335C1E6R9CB01# p157 ±0.05pF GJM0335C1E7R0CB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157							_
6.8pF ±0.05pF GJM0335C1E6R8WB01# p157 ±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8CB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.05pF GJM0335C1E6R9BB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9CB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.05pF GJM0335C1E7R0CB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157					·		<u> </u>
±0.1pF GJM0335C1E6R8BB01# p157 ±0.25pF GJM0335C1E6R8CB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 ±0.05pF GJM0335C1E6R9WB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9DB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 ±0.05pF GJM0335C1E7R0WB01# p157 ±0.1pF GJM0335C1E7R0B01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.5pF GJM0335C1E7R0CB01# p157				6.8pF			
±0.25pF GJM0335C1E6R8CB01# p157 ±0.5pF GJM0335C1E6R8DB01# p157 6.9pF ±0.05pF GJM0335C1E6R9WB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9CB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 7.0pF ±0.05pF GJM0335C1E7R0WB01# p157 ±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.5pF GJM0335C1E7R0CB01# p157				о.ор.			
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6.9pF ±0.05pF GJM0335C1E6R9WB01# p157 ±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9CB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 7.0pF ±0.05pF GJM0335C1E7R0WB01# p157 ±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.5pF GJM0335C1E7R0CB01# p157					-		
±0.1pF GJM0335C1E6R9BB01# p157 ±0.25pF GJM0335C1E6R9CB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 7.0pF ±0.05pF GJM0335C1E7R0WB01# p157 ±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.5pF GJM0335C1E7R0DB01# p157				6.9pF			_
±0.25pF GJM0335C1E6R9CB01# p157 ±0.5pF GJM0335C1E6R9DB01# p157 7.0pF ±0.05pF GJM0335C1E7R0WB01# p157 ±0.1pF GJM0335C1E7R0CB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157					-		_
±0.5pF GJM0335C1E6R9DB01# p157 7.0pF ±0.05pF GJM0335C1E7R0WB01# p157 ±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.5pF GJM0335C1E7R0DB01# p157							_
±0.1pF GJM0335C1E7R0BB01# p157 ±0.25pF GJM0335C1E7R0CB01# p157 ±0.5pF GJM0335C1E7R0DB01# p157					±0.5pF	GJM0335C1E6R9DB01#	
±0.25pF GJM0335C1E7R0CB01# p157 ±0.5pF GJM0335C1E7R0DB01# p157				7.0pF	±0.05pF	GJM0335C1E7R0WB01#	_
±0.5pF GJM0335C1E7R0DB01# p157					±0.1pF	GJM0335C1E7R0BB01#	p157
					±0.25pF	GJM0335C1E7R0CB01#	p157
7.1pF ±0.05pF GJM0335C1E7R1WB01# p157					±0.5pF	GJM0335C1E7R0DB01#	p157
				7.1pF	±0.05pF	GJM0335C1E7R1WB01#	p157

(<u>-</u>) 0.65	0.3mm	١.	•		•	J
(- 0.0 2	Rated	тс				
max.	Voltage	Code	Cap.	Tol.	Part Number	p*
0.33mm	25Vdc	COG	7.1pF	±0.1pF	GJM0335C1E7R1BB01#	p157
				±0.25pF	GJM0335C1E7R1CB01#	p157
				±0.5pF	GJM0335C1E7R1DB01#	p157
			7.2pF	±0.05pF	GJM0335C1E7R2WB01#	p157
				±0.1pF	GJM0335C1E7R2BB01#	p157
				±0.25pF	GJM0335C1E7R2CB01#	p157
				±0.5pF	GJM0335C1E7R2DB01#	p157
			7.3pF	±0.05pF	GJM0335C1E7R3WB01#	p157
				±0.1pF	GJM0335C1E7R3BB01#	p157
				±0.25pF	GJM0335C1E7R3CB01#	p157
				±0.5pF	GJM0335C1E7R3DB01#	p157
			7.4pF	±0.05pF	GJM0335C1E7R4WB01#	p157
				±0.1pF	GJM0335C1E7R4BB01#	p157
				±0.25pF	GJM0335C1E7R4CB01#	p157
				±0.5pF	GJM0335C1E7R4DB01#	p157
			7.5pF	±0.05pF	GJM0335C1E7R5WB01#	p157
				±0.1pF	GJM0335C1E7R5BB01#	p157
				±0.25pF	GJM0335C1E7R5CB01#	p157
				±0.5pF	GJM0335C1E7R5DB01#	p157
			7.6pF	-	GJM0335C1E7R6WB01#	p157
				±0.1pF	GJM0335C1E7R6BB01#	p157
					GJM0335C1E7R6CB01#	p157
			7 7 5 5	±0.5pF	GJM0335C1E7R6DB01#	p157
			7.7pF	±0.05pF	GJM0335C1E7R7WB01#	p157
				±0.1pF ±0.25pF	GJM0335C1E7R7BB01# GJM0335C1E7R7CB01#	p157 p157
				±0.25pi	GJM0335C1E7R7DB01#	p157
			7.8pF		GJM0335C1E7R8WB01#	p157
				±0.1pF	GJM0335C1E7R8BB01#	p157
				±0.25pF	GJM0335C1E7R8CB01#	p157
				±0.5pF	GJM0335C1E7R8DB01#	p157
			7.9pF		GJM0335C1E7R9WB01#	i
				±0.1pF	GJM0335C1E7R9BB01#	p157
				±0.25pF	GJM0335C1E7R9CB01#	p157
				±0.5pF	GJM0335C1E7R9DB01#	p157
			8.0pF	±0.05pF	GJM0335C1E8R0WB01#	p157
				±0.1pF	GJM0335C1E8R0BB01#	p157
				±0.25pF	GJM0335C1E8R0CB01#	p157
				±0.5pF	GJM0335C1E8R0DB01#	p157
			8.1pF	±0.05pF	GJM0335C1E8R1WB01#	p157
				±0.1pF	GJM0335C1E8R1BB01#	p157
				±0.25pF	GJM0335C1E8R1CB01#	p157
				±0.5pF	GJM0335C1E8R1DB01#	p157
			8.2pF	±0.05pF	GJM0335C1E8R2WB01#	p157
				±0.1pF	GJM0335C1E8R2BB01#	p157
				±0.25pF	GJM0335C1E8R2CB01#	p157
				±0.5pF	GJM0335C1E8R2DB01#	p157
			8.3pF	±0.05pF	GJM0335C1E8R3WB01#	p157
				±0.1pF	GJM0335C1E8R3BB01#	p157
				±0.25pF	GJM0335C1E8R3CB01#	p157
			0 4==	±0.5pF	GJM0335C1E8R3DB01#	p157
			8.4pF	-	GJM0335C1E8R4WB01#	p157
				±0.1pF	GJM0335C1E8R4BB01#	p157
				±0.25pF	GJM0335C1E8R4CB01#	p157

0.33mm	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
#0.1pF GJMO33SC1E8RSB01# p157 #0.25pF GJMO33SC1E8RSB01# p157 #0.5pF GJMO33SC1E8RSB01# p157 #0.1pF GJMO33SC1E8RGB01# p157 #0.25pF GJMO33SC1E9RGB01# p157 #0.25pF GJMO33SC1E9RG	0.33mm	25Vdc	COG	8.4pF	±0.5pF	GJM0335C1E8R4DB01#	p157
10.25pF GJM0335C1E8R5CB01# 0157				8.5pF	±0.05pF	GJM0335C1E8R5WB01#	p157
10.5pF 10.05pF 10.0335C1E8R50B01# 0157 10.15pF 10.05pF 10.0335C1E8R6B001# 0157 10.05pF 10.05pF 10.0335C1E8R6B001# 0157 10.05pF 10.05pF 10.0335C1E8R6B001# 0157 10.05pF 10.0335C1E8R7B001# 0157 10.05pF 10.0335C1E8R7B001# 0157 10.05pF 10.0335C1E8R7B001# 0157 10.05pF 10.05pF 10.0335C1E8R8W801# 0157 10.05pF 10.0335C1E8R8W801# 0157 10.05pF 10.0335C1E8R8W801# 0157 10.05pF 10.05pF 10.0335C1E8R8W801# 0157 10.05pF 10.0335C1E8R8W801# 0157 10.05pF 10.0335C1E8R8W801# 0157 10.05pF 10.0335C1E8R8W801# 0157 10.05pF 10.0335C1E8R9B01# 0157 10.05pF 10.0335C1E9R0B01# 0157 10.05pF 10.0335C1E9R0B01# 0157 10.05pF 10.0335C1E9R0B01# 0157 10.05pF 10.0335C1E9R0B01# 0157 10.05pF 10.0335C1E9R1B01# 0157 10.05pF 10.0335C1E9R1B01# 0157 10.05pF 10.0335C1E9R2B01# 0157 10.05pF 10.0335C1E9R3B01# 0157 10.05pF 10.0335C1E9R3B01# 0157 10.05pF 10.0335C1E9R3B01# 0157 10.05pF 10.035C1E9R3B01# 0157 10.05pF 10.0335C1E9R3B01# 0157 10.05pF 1					±0.1pF	GJM0335C1E8R5BB01#	p157
8.6pF ±0.05pF GJM0335C1E8R6B01# p157 ±0.25pF GJM0335C1E8R6CB01# p157 ±0.25pF GJM0335C1E8R6CB01# p157 ±0.25pF GJM0335C1E8R6CB01# p157 ±0.25pF GJM0335C1E8R7CB01# p157 ±0.25pF GJM0335C1E8R8B01# p157 ±0.25pF GJM0335C1E8R8B001# p157 ±0.25pF GJM0335C1E8R9B001# p157 ±0.25pF GJM0335C1E9R0B001# p157 ±0.25pF GJM0335C1E9R0B00					±0.25pF	GJM0335C1E8R5CB01#	p157
10.1pF 2.0.2pF 2.0.5pF 2.0.5					±0.5pF	GJM0335C1E8R5DB01#	p157
10.25pF GJM0335C1E8R6CB01# 0157				8.6pF	±0.05pF	GJM0335C1E8R6WB01#	p157
10.5pF GJM0335C1E8R7WB01# p157					±0.1pF	GJM0335C1E8R6BB01#	p157
8.7pF ±0.05pF GJM0335C1E8R7WB01# p157					±0.25pF	GJM0335C1E8R6CB01#	p157
#0.1pF GJM0335C1E8R7BB01# p157 e0.25pF GJM0335C1E8R8BB01# p157 e0.25pF GJM0335C1E8R9B001# p157 e0.25pF GJM0335C1E8R9B001# p157 e0.25pF GJM0335C1E9R0B01# p157 e0.25pF GJM0335C1E9R0B001# p157 e0.25pF GJM0335C1E9R0B00					±0.5pF	GJM0335C1E8R6DB01#	p157
±0.25pF GJM0335C1E8R7CB01# p157				8.7pF	±0.05pF	GJM0335C1E8R7WB01#	p157
#.0.5pF c.0.5pF c.0.5p					±0.1pF	GJM0335C1E8R7BB01#	p157
8.8pF					±0.25pF	GJM0335C1E8R7CB01#	p157
#0.1pF GJM0335C1E8R8BB01# p157					±0.5pF	GJM0335C1E8R7DB01#	p157
±0.25pF GJM0335C1E8R8CB01# p157				8.8pF	±0.05pF	GJM0335C1E8R8WB01#	p157
#0.5pF d.0.5pF d.0.335c1esrsbb01# p157 d.0.5pF d.0.5pF d.0.35pF d.0.35c1esrsbb01# p157 d.0.5pF d.0.5pF d.0.35c1esrsbb01# p157 d.0.5pF d.0.5pF d.0.335c1esrsbb01# p157 d.0.25pF d.0.335c1esrsbb01# d					±0.1pF	GJM0335C1E8R8BB01#	p157
8.9pF ±0.05pF GJM0335C1E8R9WB01# p157 ±0.1pF GJM0335C1E8R9BB01# p157 ±0.5pF GJM0335C1E8R9BB01# p157 ±0.5pF GJM0335C1E8R9BB01# p157 ±0.1pF GJM0335C1E8R9BB01# p157 ±0.25pF GJM0335C1E9R0B01# p157 ±0.5pF GJM0335C1E9R0B01# p157 ±0.1pF GJM0335C1E9R0B01# p157 ±0.25pF GJM0335C1E9R1BB01# p157 ±0.25pF GJM0335C1E9R1BB01# p157 ±0.25pF GJM0335C1E9R2BB01# p157 ±0.5pF GJM0335C1E9R3BB01# p157 ±0.5pF GJM0335C1E9R3BB01# p157 ±0.5pF GJM0335C1E9R3BB01# p157 ±0.5pF GJM0335C1E9R3BB01# p157 ±0.5pF GJM0335C1E9R4BB01# p157 ±0.5pF GJM0335C1E9R5BB01# p157					±0.25pF	GJM0335C1E8R8CB01#	p157
#0.1pF GJM0335C1E8R9BB01# p157 #0.25pF GJM0335C1E8R9CB01# p157 #0.5pF GJM0335C1E8R9CB01# p157 #0.1pF GJM0335C1E9R0B01# p157 #0.25pF GJM0335C1E9R0B01# p157 #0.25pF GJM0335C1E9R0B01# p157 #0.1pF GJM0335C1E9R0B01# p157 #0.1pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R2BB01# p157 #0.25pF GJM0335C1E9R3BB01# p157 #0.25pF GJM0335C1E9R4BB01# p157 #0.25pF GJM0335C1E9R4BB01# p157 #0.25pF GJM0335C1E9R4BB01# p157 #0.25pF GJM0335C1E9R4BB01# p157 #0.25pF GJM0335C1E9R5BB01# p157 #0.25pF GJM0335C1E9R6BB01# p157 #0.25pF GJM0335C1E9R7BB01# p157					±0.5pF	GJM0335C1E8R8DB01#	p157
#0.25pF GJM0335C1E8R9CB01# p157 #0.5pF GJM0335C1E9R0B001# p157 #0.1pF GJM0335C1E9R0B001# p157 #0.25pF GJM0335C1E9R0B001# p157 #0.25pF GJM0335C1E9R0B001# p157 #0.1pF GJM0335C1E9R0B01# p157 #0.1pF GJM0335C1E9R0B01# p157 #0.1pF GJM0335C1E9R1B01# p157 #0.5pF GJM0335C1E9R1B01# p157 #0.5pF GJM0335C1E9R1B01# p157 #0.5pF GJM0335C1E9R2B01# p157 #0.25pF GJM0335C1E9R2B01# p157 #0.25pF GJM0335C1E9R2B01# p157 #0.25pF GJM0335C1E9R2B01# p157 #0.25pF GJM0335C1E9R3B01# p157 #0.25pF GJM0335C1E9R4B01# p157 #0.25pF GJM0335C1E9R4B01# p157 #0.25pF GJM0335C1E9R4B01# p157 #0.25pF GJM0335C1E9R4B01# p157 #0.25pF GJM0335C1E9R5B01# p157 #0.25pF GJM0335C1E9R6B01# p157				8.9pF	±0.05pF	GJM0335C1E8R9WB01#	p157
#0.5pF GJM0335C1E8R9DB01# p157 #0.1pF GJM0335C1E9R0B01# p157 #0.25pF GJM0335C1E9R0B01# p157 #0.25pF GJM0335C1E9R0B01# p157 #0.1pF GJM0335C1E9R1WB01# p157 #0.25pF GJM0335C1E9R1WB01# p157 #0.25pF GJM0335C1E9R1B01# p157 #0.25pF GJM0335C1E9R2WB01# p157 #0.1pF GJM0335C1E9R2WB01# p157 #0.1pF GJM0335C1E9R2WB01# p157 #0.5pF GJM0335C1E9R2WB01# p157 #0.5pF GJM0335C1E9R2BB01# p157 #0.5pF GJM0335C1E9R3WB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4BB01# p157 #0.5pF GJM0335C1E9R5WB01# p157 #0.5pF GJM0335C1E9R5WB01# p157 #0.5pF GJM0335C1E9R5WB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R7BB01# p157					±0.1pF	GJM0335C1E8R9BB01#	p157
9.0pF ±0.05pF GJM0335C1E9R0B01# p157 ±0.1pF GJM0335C1E9R0B01# p157 ±0.5pF GJM0335C1E9R0B01# p157 ±0.5pF GJM0335C1E9R1BB01# p157 ±0.1pF GJM0335C1E9R1BB01# p157 ±0.25pF GJM0335C1E9R1BB01# p157 ±0.25pF GJM0335C1E9R1BB01# p157 ±0.5pF GJM0335C1E9R1BB01# p157 ±0.5pF GJM0335C1E9R2WB01# p157 ±0.1pF GJM0335C1E9R2WB01# p157 ±0.5pF GJM0335C1E9R2BB01# p157 ±0.5pF GJM0335C1E9R2BB01# p157 ±0.5pF GJM0335C1E9R3WB01# p157 ±0.5pF GJM0335C1E9R3WB01# p157 ±0.5pF GJM0335C1E9R3BB01# p157 ±0.5pF GJM0335C1E9R3BB01# p157 ±0.5pF GJM0335C1E9R4WB01# p157 ±0.5pF GJM0335C1E9R4WB01# p157 ±0.5pF GJM0335C1E9R4BB01# p157 ±0.5pF GJM0335C1E9R4BB01# p157 ±0.5pF GJM0335C1E9R5BB01# p157 ±0.5pF GJM0335C1E9R6B01# p157 ±0.5pF GJM0335C1E9R7BB01# p157					±0.25pF	GJM0335C1E8R9CB01#	p157
#0.1pF GJM0335C1E9R0BB01# p157 #0.25pF GJM0335C1E9R0B01# p157 #0.5pF GJM0335C1E9R1WB01# p157 #0.1pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R1DB01# p157 #0.1pF GJM0335C1E9R2WB01# p157 #0.1pF GJM0335C1E9R2WB01# p157 #0.25pF GJM0335C1E9R2WB01# p157 #0.5pF GJM0335C1E9R2BB01# p157 #0.5pF GJM0335C1E9R3WB01# p157 #0.5pF GJM0335C1E9R3WB01# p157 #0.5pF GJM0335C1E9R3WB01# p157 #0.5pF GJM0335C1E9R3BB01# p157 #0.5pF GJM0335C1E9R3BB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.25pF GJM0335C1E9R4WB01# p157 #0.25pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4BB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R6B01# p157 #0.5pF GJM0335C1E9R7BB01# p157					±0.5pF	GJM0335C1E8R9DB01#	p157
#0.25pF GJM0335C1E9R0B01# p157 #0.05pF GJM0335C1E9R1BB01# p157 #0.1pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R1BB01# p157 #0.5pF GJM0335C1E9R1BB01# p157 #0.5pF GJM0335C1E9R1BB01# p157 #0.5pF GJM0335C1E9R2BB01# p157 #0.1pF GJM0335C1E9R2BB01# p157 #0.25pF GJM0335C1E9R2BB01# p157 #0.25pF GJM0335C1E9R2BB01# p157 #0.25pF GJM0335C1E9R2BB01# p157 #0.25pF GJM0335C1E9R3BB01# p157 #0.25pF GJM0335C1E9R3BB01# p157 #0.25pF GJM0335C1E9R3BB01# p157 #0.25pF GJM0335C1E9R3BB01# p157 #0.25pF GJM0335C1E9R4BB01# p157 #0.25pF GJM0335C1E9R4BB01# p157 #0.25pF GJM0335C1E9R4BB01# p157 #0.5pF GJM0335C1E9R4BB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.25pF GJM0335C1E9R6BB01# p157 #0.25pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R7BB01# p157				9.0pF	±0.05pF	GJM0335C1E9R0WB01#	p157
#0.5pF GJM0335C1E9R0DB01# p157 #0.1pF					±0.1pF	GJM0335C1E9R0BB01#	p157
9.1pF ±0.05pF GJM0335C1E9R1WB01# p157 ±0.1pF GJM0335C1E9R1BB01# p157 ±0.25pF GJM0335C1E9R1DB01# p157 ±0.5pF GJM0335C1E9R2WB01# p157 ±0.1pF GJM0335C1E9R2WB01# p157 ±0.25pF GJM0335C1E9R2DB01# p157 ±0.5pF GJM0335C1E9R2DB01# p157 ±0.5pF GJM0335C1E9R3WB01# p157 ±0.1pF GJM0335C1E9R3WB01# p157 ±0.25pF GJM0335C1E9R3WB01# p157 ±0.25pF GJM0335C1E9R3BB01# p157 ±0.5pF GJM0335C1E9R3BB01# p157 ±0.5pF GJM0335C1E9R3BB01# p157 ±0.1pF GJM0335C1E9R4WB01# p157 ±0.5pF GJM0335C1E9R4WB01# p157 ±0.5pF GJM0335C1E9R4WB01# p157 ±0.5pF GJM0335C1E9R4BB01# p157 ±0.5pF GJM0335C1E9R5WB01# p157 ±0.25pF GJM0335C1E9R5BB01# p157 ±0.25pF GJM0335C1E9R5BB01# p157 ±0.5pF GJM0335C1E9R5BB01# p157 ±0.5pF GJM0335C1E9R5BB01# p157 ±0.5pF GJM0335C1E9R6WB01# p157 ±0.25pF GJM0335C1E9R6BB01# p157 ±0.5pF GJM0335C1E9R7BB01# p157 ±0.5pF GJM0335C1E9R7BB01# p157 ±0.5pF GJM0335C1E9R7BB01# p157 ±0.5pF GJM0335C1E9R7BB01# p157					-		-
#0.1pF GJM0335C1E9R1BB01# p157 #0.25pF GJM0335C1E9R1CB01# p157 #0.5pF GJM0335C1E9R2WB01# p157 #0.1pF GJM0335C1E9R2BB01# p157 #0.25pF GJM0335C1E9R2CB01# p157 #0.25pF GJM0335C1E9R2CB01# p157 #0.5pF GJM0335C1E9R3WB01# p157 #0.1pF GJM0335C1E9R3WB01# p157 #0.25pF GJM0335C1E9R3WB01# p157 #0.25pF GJM0335C1E9R3WB01# p157 #0.25pF GJM0335C1E9R3DB01# p157 #0.5pF GJM0335C1E9R3DB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4DB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.25pF GJM0335C1E9R5BB01# p157 #0.25pF GJM0335C1E9R5BB01# p157 #0.25pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R7BB01# p157					-		
#0.25pF GJM0335C1E9R1CB01# p157 #0.5pF GJM0335C1E9R2WB01# p157 #0.1pF GJM0335C1E9R2WB01# p157 #0.25pF GJM0335C1E9R2WB01# p157 #0.25pF GJM0335C1E9R2WB01# p157 #0.5pF GJM0335C1E9R3WB01# p157 #0.1pF GJM0335C1E9R3WB01# p157 #0.25pF GJM0335C1E9R3WB01# p157 #0.25pF GJM0335C1E9R3WB01# p157 #0.25pF GJM0335C1E9R3WB01# p157 #0.5pF GJM0335C1E9R3WB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.25pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4WB01# p157 #0.5pF GJM0335C1E9R4DB01# p157 #0.5pF GJM0335C1E9R4DB01# p157 #0.5pF GJM0335C1E9R5WB01# p157 #0.25pF GJM0335C1E9R5WB01# p157 #0.25pF GJM0335C1E9R5WB01# p157 #0.25pF GJM0335C1E9R6WB01# p157 #0.5pF GJM0335C1E9R6WB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R7WB01# p157 #0.5pF GJM0335C1E9R7WB01# p157 #0.5pF GJM0335C1E9R7BB01# p157 #0.5pF GJM0335C1E9R7BB01# p157 #0.5pF GJM0335C1E9R7BB01# p157 #0.5pF GJM0335C1E9R7BB01# p157				9.1pF			i
# ±0.5pF GJM0335C1E9R2WB01# p157 # ±0.1pF GJM0335C1E9R2WB01# p157 # ±0.25pF GJM0335C1E9R2BB01# p157 # ±0.5pF GJM0335C1E9R2BB01# p157 # ±0.5pF GJM0335C1E9R3WB01# p157 # ±0.1pF GJM0335C1E9R3WB01# p157 # ±0.25pF GJM0335C1E9R3BB01# p157 # ±0.25pF GJM0335C1E9R3BB01# p157 # ±0.5pF GJM0335C1E9R3BB01# p157 # ±0.5pF GJM0335C1E9R4WB01# p157 # ±0.1pF GJM0335C1E9R4BB01# p157 # ±0.25pF GJM0335C1E9R4BB01# p157 # ±0.5pF GJM0335C1E9R4BB01# p157 # ±0.5pF GJM0335C1E9R4BB01# p157 # ±0.5pF GJM0335C1E9R5WB01# p157 # ±0.5pF GJM0335C1E9R5WB01# p157 # ±0.5pF GJM0335C1E9R5WB01# p157 # ±0.5pF GJM0335C1E9R6WB01# p157 # ±0.5pF GJM0335C1E9R6WB01# p157 # ±0.5pF GJM0335C1E9R6WB01# p157 # ±0.5pF GJM0335C1E9R6BB01# p157 # ±0.5pF GJM0335C1E9R6BB01# p157 # ±0.5pF GJM0335C1E9R6BB01# p157 # ±0.5pF GJM0335C1E9R7WB01# p157 # ±0.5pF GJM0335C1E9R7BB01# p157 # ±0.5pF GJM0335C1E9R7BB01# p157					-		
9.2pF ±0.05pF GJM0335C1E9R2WB01# p157 ±0.1pF GJM0335C1E9R2BB01# p157 ±0.5pF GJM0335C1E9R2DB01# p157 ±0.5pF GJM0335C1E9R2DB01# p157 ±0.1pF GJM0335C1E9R3WB01# p157 ±0.1pF GJM0335C1E9R3WB01# p157 ±0.5pF GJM0335C1E9R3CB01# p157 ±0.5pF GJM0335C1E9R3DB01# p157 ±0.1pF GJM0335C1E9R4WB01# p157 ±0.1pF GJM0335C1E9R4WB01# p157 ±0.25pF GJM0335C1E9R4DB01# p157 ±0.5pF GJM0335C1E9R4DB01# p157 ±0.5pF GJM0335C1E9R5WB01# p157 ±0.1pF GJM0335C1E9R5WB01# p157 ±0.25pF GJM0335C1E9R5WB01# p157 ±0.25pF GJM0335C1E9R5DB01# p157 ±0.5pF GJM0335C1E9R6WB01# p157 ±0.5pF GJM0335C1E9R6BB01# p157 ±0.5pF GJM0335C1E9R7WB01# p157 ±0.5pF GJM0335C1E9R7WB01# p157 ±0.5pF GJM0335C1E9R7BB01# p157 ±0.5pF GJM0335C1E9R7BB01# p157							i
±0.1pF GJM0335C1E9R2BB01# p157 ±0.25pF GJM0335C1E9R2CB01# p157 ±0.5pF GJM0335C1E9R2DB01# p157 ±0.1pF GJM0335C1E9R3BB01# p157 ±0.25pF GJM0335C1E9R3BB01# p157 ±0.25pF GJM0335C1E9R3DB01# p157 ±0.5pF GJM0335C1E9R3DB01# p157 ±0.1pF GJM0335C1E9R4WB01# p157 ±0.1pF GJM0335C1E9R4WB01# p157 ±0.5pF GJM0335C1E9R4DB01# p157 ±0.5pF GJM0335C1E9R4DB01# p157 ±0.1pF GJM0335C1E9R5DB01# p157 ±0.1pF GJM0335C1E9R5DB01# p157 ±0.25pF GJM0335C1E9R5DB01# p157 ±0.5pF GJM0335C1E9R5DB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.5pF GJM0335C1E9R7DB01# p157 ±0.5pF GJM0335C1E9R7DB01# p157 ±0.25pF GJM0335C1E9R7DB01# p157							i
#0.25pF GJM0335C1E9R2CB01# p157 #0.5pF GJM0335C1E9R2DB01# p157 #0.1pF GJM0335C1E9R3BB01# p157 #0.25pF GJM0335C1E9R3BB01# p157 #0.25pF GJM0335C1E9R3DB01# p157 #0.5pF GJM0335C1E9R3DB01# p157 #0.1pF GJM0335C1E9R4DB01# p157 #0.1pF GJM0335C1E9R4DB01# p157 #0.5pF GJM0335C1E9R4DB01# p157 #0.5pF GJM0335C1E9R4DB01# p157 #0.5pF GJM0335C1E9R5DB01# p157 #0.1pF GJM0335C1E9R5DB01# p157 #0.25pF GJM0335C1E9R5DB01# p157 #0.5pF GJM0335C1E9R5DB01# p157 #0.5pF GJM0335C1E9R5DB01# p157 #0.5pF GJM0335C1E9R6DB01# p157 #0.5pF GJM0335C1E9R7DB01# p157 #0.5pF GJM0335C1E9R7DB01# p157 #0.25pF GJM0335C1E9R7DB01# p157				9.2pF			<u> </u>
#0.5pF GJM0335C1E9R2DB01# p157 #0.1pF GJM0335C1E9R3BB01# p157 #0.25pF GJM0335C1E9R3BB01# p157 #0.5pF GJM0335C1E9R3DB01# p157 #0.5pF GJM0335C1E9R3DB01# p157 #0.1pF GJM0335C1E9R4BB01# p157 #0.25pF GJM0335C1E9R4BB01# p157 #0.5pF GJM0335C1E9R4DB01# p157 #0.5pF GJM0335C1E9R4DB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.1pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R5BB01# p157 #0.5pF GJM0335C1E9R6BB01# p157 #0.5pF GJM0335C1E9R7BB01# p157 #0.5pF GJM0335C1E9R7BB01# p157 #0.25pF GJM0335C1E9R7BB01# p157 #0.25pF GJM0335C1E9R7BB01# p157							
9.3pF ±0.05pF GJM0335C1E9R3WB01# p157 ±0.1pF GJM0335C1E9R3BB01# p157 ±0.25pF GJM0335C1E9R3CB01# p157 ±0.5pF GJM0335C1E9R3DB01# p157 ±0.1pF GJM0335C1E9R4WB01# p157 ±0.1pF GJM0335C1E9R4CB01# p157 ±0.25pF GJM0335C1E9R4DB01# p157 ±0.5pF GJM0335C1E9R4DB01# p157 ±0.1pF GJM0335C1E9R5WB01# p157 ±0.1pF GJM0335C1E9R5WB01# p157 ±0.25pF GJM0335C1E9R5WB01# p157 ±0.25pF GJM0335C1E9R5WB01# p157 ±0.5pF GJM0335C1E9R5WB01# p157 ±0.1pF GJM0335C1E9R6WB01# p157 ±0.1pF GJM0335C1E9R6WB01# p157 ±0.25pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R7WB01# p157 ±0.1pF GJM0335C1E9R7WB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157							i
±0.1pF GJM0335C1E9R3BB01# p157 ±0.25pF GJM0335C1E9R3DB01# p157 ±0.5pF GJM0335C1E9R3DB01# p157 ±0.1pF GJM0335C1E9R4WB01# p157 ±0.1pF GJM0335C1E9R4BB01# p157 ±0.25pF GJM0335C1E9R4DB01# p157 ±0.5pF GJM0335C1E9R4DB01# p157 ±0.1pF GJM0335C1E9R5WB01# p157 ±0.25pF GJM0335C1E9R5WB01# p157 ±0.5pF GJM0335C1E9R5DB01# p157 ±0.5pF GJM0335C1E9R5DB01# p157 ±0.1pF GJM0335C1E9R6DB01# p157 ±0.1pF GJM0335C1E9R6DB01# p157 ±0.25pF GJM0335C1E9R6DB01# p157 ±0.25pF GJM0335C1E9R6DB01# p157 ±0.25pF GJM0335C1E9R6DB01# p157 ±0.5pF GJM0335C1E9R7DB01# p157 ±0.5pF GJM0335C1E9R7DB01# p157 ±0.5pF GJM0335C1E9R7DB01# p157				0.2nE			i
#0.25pF GJM0335C1E9R3CB01# p157 #0.5pF GJM0335C1E9R3DB01# p157 9.4pF				э.эрг			-
#0.5pF GJM0335C1E9R3DB01# p157 9.4pF							-
9.4pF ±0.05pF GJM0335C1E9R4WB01# p157 ±0.1pF GJM0335C1E9R4BB01# p157 ±0.25pF GJM0335C1E9R4CB01# p157 ±0.5pF GJM0335C1E9R4DB01# p157 ±0.5pF GJM0335C1E9R5WB01# p157 ±0.1pF GJM0335C1E9R5BB01# p157 ±0.25pF GJM0335C1E9R5CB01# p157 ±0.5pF GJM0335C1E9R5CB01# p157 ±0.1pF GJM0335C1E9R6CB01# p157 ±0.1pF GJM0335C1E9R6CB01# p157 ±0.25pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R7CB01# p157 ±0.1pF GJM0335C1E9R7CB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157							-
±0.1pF GJM0335C1E9R4BB01# p157 ±0.25pF GJM0335C1E9R4DB01# p157 ±0.5pF GJM0335C1E9R4DB01# p157 9.5pF ±0.05pF GJM0335C1E9R5WB01# p157 ±0.1pF GJM0335C1E9R5BB01# p157 ±0.5pF GJM0335C1E9R5DB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.1pF GJM0335C1E9R6BB01# p157 ±0.25pF GJM0335C1E9R6DB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.5pF GJM0335C1E9R7BB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7BB01# p157 ±0.5pF GJM0335C1E9R7CB01# p157				9 4nF			i –
#0.25pF GJM0335C1E9R4CB01# p157 #0.5pF GJM0335C1E9R4DB01# p157 9.5pF #0.05pF GJM0335C1E9R5WB01# p157 #0.1pF GJM0335C1E9R5BB01# p157 #0.25pF GJM0335C1E9R5CB01# p157 #0.5pF GJM0335C1E9R5DB01# p157 #0.1pF GJM0335C1E9R6DB01# p157 #0.1pF GJM0335C1E9R6BB01# p157 #0.25pF GJM0335C1E9R6DB01# p157 #0.5pF GJM0335C1E9R6DB01# p157 #0.5pF GJM0335C1E9R7WB01# p157 #0.1pF GJM0335C1E9R7BB01# p157 #0.25pF GJM0335C1E9R7BB01# p157 #0.25pF GJM0335C1E9R7CB01# p157 #0.25pF GJM0335C1E9R7CB01# p157				5p.			-
±0.5pF GJM0335C1E9R4DB01# p157 9.5pF ±0.05pF GJM0335C1E9R5WB01# p157 ±0.1pF GJM0335C1E9R5BB01# p157 ±0.25pF GJM0335C1E9R5DB01# p157 ±0.5pF GJM0335C1E9R6BB01# p157 ±0.1pF GJM0335C1E9R6BB01# p157 ±0.1pF GJM0335C1E9R6BB01# p157 ±0.25pF GJM0335C1E9R6DB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.5pF GJM0335C1E9R7BB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7BB01# p157 ±0.5pF GJM0335C1E9R7CB01# p157							i –
9.5pF ±0.05pF GJM0335C1E9R5WB01# p157 ±0.1pF GJM0335C1E9R5BB01# p157 ±0.25pF GJM0335C1E9R5CB01# p157 ±0.5pF GJM0335C1E9R5DB01# p157 ±0.05pF GJM0335C1E9R6BB01# p157 ±0.1pF GJM0335C1E9R6BB01# p157 ±0.25pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.05pF GJM0335C1E9R7BB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157 ±0.5pF GJM0335C1E9R7CB01# p157							-
±0.1pF GJM0335C1E9R5BB01# p157 ±0.25pF GJM0335C1E9R5DB01# p157 ±0.5pF GJM0335C1E9R5DB01# p157 ±0.1pF GJM0335C1E9R6WB01# p157 ±0.1pF GJM0335C1E9R6BB01# p157 ±0.25pF GJM0335C1E9R6DB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.05pF GJM0335C1E9R7WB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157 ±0.5pF GJM0335C1E9R7CB01# p157				9.5pF			i –
±0.25pF GJM0335C1E9R5CB01# p157 ±0.5pF GJM0335C1E9R5DB01# p157 9.6pF ±0.05pF GJM0335C1E9R6WB01# p157 ±0.1pF GJM0335C1E9R6BB01# p157 ±0.25pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.05pF GJM0335C1E9R7WB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157 ±0.5pF GJM0335C1E9R7CB01# p157					·		-
±0.5pF GJM0335C1E9R5DB01# p157 9.6pF ±0.05pF GJM0335C1E9R6BB01# p157 ±0.1pF GJM0335C1E9R6BB01# p157 ±0.25pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 ±0.05pF GJM0335C1E9R7BB01# p157 ±0.1pF GJM0335C1E9R7CB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157							_
9.6pF ±0.05pF GJM0335C1E9R6WB01# p157 ±0.1pF GJM0335C1E9R6BB01# p157 ±0.25pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 9.7pF ±0.05pF GJM0335C1E9R7WB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157					-		i –
±0.1pF GJM0335C1E9R6BB01# p157 ±0.25pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 9.7pF ±0.05pF GJM0335C1E9R7WB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157 ±0.5pF GJM0335C1E9R7CB01# p157				9.6pF			·
±0.25pF GJM0335C1E9R6CB01# p157 ±0.5pF GJM0335C1E9R6DB01# p157 9.7pF ±0.05pF GJM0335C1E9R7WB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157 ±0.5pF GJM0335C1E9R7DB01# p157				·	-		<u> </u>
±0.5pF GJM0335C1E9R6DB01# p157 9.7pF ±0.05pF GJM0335C1E9R7WB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157 ±0.5pF GJM0335C1E9R7DB01# p157					-		
9.7pF ±0.05pF GJM0335C1E9R7WB01# p157 ±0.1pF GJM0335C1E9R7BB01# p157 ±0.25pF GJM0335C1E9R7CB01# p157 ±0.5pF GJM0335C1E9R7CB01# p157					-		-
±0.1pF GJM0335C1E9R7BB01 # p157 ±0.25pF GJM0335C1E9R7CB01 # p157 ±0.5pF GJM0335C1E9R7DB01 # p157				9.7pF	-		-
±0.25pF GJM0335C1E9R7CB01# p157 ±0.5pF GJM0335C1E9R7DB01# p157				·	-		_
±0.5pF GJM0335C1E9R7DB01# p157					-		-
9.8pF ±0.05pF GJM0335C1E9R8WB01# p157					-		_
				9.8pF	±0.05pF	GJM0335C1E9R8WB01#	p157

Part number # indicates the package specification code.

 $[\]mbox{\ensuremath{\raisebox{.4ex}{\star}}}\colon \mbox{\ensuremath{\mbox{Refers}}}$ to the page of the "Specifications and Test Methods".

GRJ

GA3 GF

 \exists

GR3

GA2

GD C

146

GJM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

	0.3mm	,				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
.33mm	25Vdc	COG	9.8pF	±0.1pF	GJM0335C1E9R8BB01#	p157
				±0.25pF	GJM0335C1E9R8CB01#	p157
				±0.5pF	GJM0335C1E9R8DB01#	p157
			9.9pF	±0.05pF	GJM0335C1E9R9WB01#	p157
				±0.1pF	GJM0335C1E9R9BB01#	p157
				±0.25pF	GJM0335C1E9R9CB01#	p157
				±0.5pF	GJM0335C1E9R9DB01#	p157
			10pF	±2%	GJM0335C1E100GB01#	p157
			·	±5%	GJM0335C1E100JB01#	p157
			11pF	±2%	GJM0335C1E110GB01#	p157
				±5%	GJM0335C1E110JB01#	p157
			12pF	±2%	GJM0335C1E120GB01#	p157
			1291	±5%	GJM0335C1E120JB01#	p157
			12nE	±2%	GJM0335C1E1203B01#	-
			13pF		GJM0335C1E130GB01#	p157
			15-5	±5%		p157
			15pF	±2%	GJM0335C1E150GB01#	p157
				±5%	GJM0335C1E150JB01#	p157
			16pF	±2%	GJM0335C1E160GB01#	p157
				±5%	GJM0335C1E160JB01#	p157
			18pF	±2%	GJM0335C1E180GB01#	p157
				±5%	GJM0335C1E180JB01#	p157
			20pF	±2%	GJM0335C1E200GB01#	p157
				±5%	GJM0335C1E200JB01#	p157
			22pF	±2%	GJM0335C1E220GB01#	p157
				±5%	GJM0335C1E220JB01#	p157
			24pF	±2%	GJM0335C1E240GB01#	p157
				±5%	GJM0335C1E240JB01#	p157
			27pF	±2%	GJM0335C1E270GB01#	p157
				±5%	GJM0335C1E270JB01#	p157
			30pF	±2%	GJM0335C1E300GB01#	p157
				±5%	GJM0335C1E300JB01#	p157
			33pF	±2%	GJM0335C1E330GB01#	p157
				±5%	GJM0335C1E330JB01#	p157
		СК	1.0pF	±0.05pF	GJM0334C1E1R0WB01#	p157
				±0.1pF	GJM0334C1E1R0BB01#	p157
				±0.25pF	GJM0334C1E1R0CB01#	p157
			1.1pF	±0.05pF	GJM0334C1E1R1WB01#	p157
				±0.1pF	GJM0334C1E1R1BB01#	p157
					GJM0334C1E1R1CB01#	p157
			1.2pF		GJM0334C1E1R2WB01#	p157
			-	±0.1pF	GJM0334C1E1R2BB01#	p157
					GJM0334C1E1R2CB01#	p157
			1.3pF			
			т.эрг	-	GJM0334C1E1R3WB01#	p157
				±0.1pF	GJM0334C1E1R3BB01#	p157
			1 4:-	· ·	GJM0334C1E1R3CB01#	p157
			1.4pF	-	GJM0334C1E1R4WB01#	p157
				±0.1pF	GJM0334C1E1R4BB01#	p157
				· ·	GJM0334C1E1R4CB01#	p157
			1.5pF	±0.05pF	GJM0334C1E1R5WB01#	p157
				±0.1pF	GJM0334C1E1R5BB01#	p157
				±0.25pF	GJM0334C1E1R5CB01#	p157
			1.6pF	±0.05pF	GJM0334C1E1R6WB01#	p157
				±0.1pF	GJM0334C1E1R6BB01#	p157
		1 1		±0.25pF	GJM0334C1E1R6CB01#	p157

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.33mm	25Vdc	CK	1.7pF	±0.05pF	GJM0334C1E1R7WB01#	p157
				±0.1pF	GJM0334C1E1R7BB01#	p157
				±0.25pF	GJM0334C1E1R7CB01#	p157
			1.8pF	±0.05pF	GJM0334C1E1R8WB01#	p157
				±0.1pF	GJM0334C1E1R8BB01#	p157
				±0.25pF	GJM0334C1E1R8CB01#	p157
			1.9pF	±0.05pF	GJM0334C1E1R9WB01#	p157
				±0.1pF	GJM0334C1E1R9BB01#	p157
				±0.25pF	GJM0334C1E1R9CB01#	p157
			2.0pF	±0.05pF	GJM0334C1E2R0WB01#	p157
				±0.1pF	GJM0334C1E2R0BB01#	p157
				±0.25pF	GJM0334C1E2R0CB01#	p157
		C1	2.1pF	±0.05pF	GJM0333C1E2R1WB01#	p157
				±0.1pF	GJM0333C1E2R1BB01#	p157
				±0.25pF	GJM0333C1E2R1CB01#	p157
			2.2pF		GJM0333C1E2R2WB01#	p157
				±0.1pF	GJM0333C1E2R2BB01#	p157
				±0.25pF	GJM0333C1E2R2CB01#	p157
			2.3pF	±0.05pF	GJM0333C1E2R3WB01#	p157
				±0.1pF	GJM0333C1E2R3BB01#	p157
				±0.25pF	GJM0333C1E2R3CB01#	p157
			2.4pF	· ·	GJM0333C1E2R4WB01#	p157
				±0.1pF	GJM0333C1E2R4BB01#	p157
					GJM0333C1E2R4CB01#	p157
			2.5pF	-	GJM0333C1E2R5WB01#	p157
				±0.1pF	GJM0333C1E2R5BB01#	p157
				-	GJM0333C1E2R5CB01#	p157
			2.6pF		GJM0333C1E2R6WB01#	p157
				±0.1pF	GJM0333C1E2R6BB01#	p157
			2.7		GJM0333C1E2R6CB01#	p157
			2.7pF	-	GJM0333C1E2R7WB01#	p157
				±0.1pF	GJM0333C1E2R7BB01# GJM0333C1E2R7CB01#	p157
			2.8pF	-	GJM0333C1E2R8WB01#	p157
			2.0pi	±0.1pF	GJM0333C1E2R8BB01#	p157
					GJM0333C1E2R8CB01#	p157
			2.9pF	· ·	GJM0333C1E2R9WB01#	p157
			2.56.	±0.1pF	GJM0333C1E2R9BB01#	p157
					GJM0333C1E2R9CB01#	p157
			3.0pF		GJM0333C1E3R0WB01#	p157
				±0.1pF	GJM0333C1E3R0BB01#	p157
					GJM0333C1E3R0CB01#	p157
			3.1pF	· ·	GJM0333C1E3R1WB01#	p157
				±0.1pF	GJM0333C1E3R1BB01#	p157
				-	GJM0333C1E3R1CB01#	p157
			3.2pF	-	GJM0333C1E3R2WB01#	p157
			•	±0.1pF	GJM0333C1E3R2BB01#	p157
					GJM0333C1E3R2CB01#	p157
			3.3pF	-	GJM0333C1E3R3WB01#	p157
			-	±0.1pF	GJM0333C1E3R3BB01#	p157
				±0.25pF	GJM0333C1E3R3CB01#	p157
			3.4pF	±0.05pF	GJM0333C1E3R4WB01#	p157
				±0.1pF	GJM0333C1E3R4BB01#	p157
				±0.25pF	GJM0333C1E3R4CB01#	p157

(→ 0.6	0.3mm	1)				
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
0.33mm	25Vdc	C1	3.5pF	±0.05pF	GJM0333C1E3R5WB01#	p157
				±0.1pF	GJM0333C1E3R5BB01#	p157
				±0.25pF	GJM0333C1E3R5CB01#	p157
			3.6pF	±0.05pF	GJM0333C1E3R6WB01#	p157
				±0.1pF	GJM0333C1E3R6BB01#	p157
				±0.25pF	GJM0333C1E3R6CB01#	p157
			3.7pF	±0.05pF	GJM0333C1E3R7WB01#	p157
				±0.1pF	GJM0333C1E3R7BB01#	p157
				±0.25pF	GJM0333C1E3R7CB01#	p157
			3.8pF	±0.05pF	GJM0333C1E3R8WB01#	p157
				±0.1pF	GJM0333C1E3R8BB01#	p157
				±0.25pF	GJM0333C1E3R8CB01#	p157
			3.9pF	±0.05pF	GJM0333C1E3R9WB01#	p157
				±0.1pF	GJM0333C1E3R9BB01#	p157
				±0.25pF	GJM0333C1E3R9CB01#	p157
		CH	4.0pF	±0.05pF	GJM0332C1E4R0WB01#	p157
				±0.1pF	GJM0332C1E4R0BB01#	p157
					GJM0332C1E4R0CB01#	p157
			4.1pF	±0.05pF	GJM0332C1E4R1WB01#	p157
				±0.1pF	GJM0332C1E4R1BB01#	p157
					GJM0332C1E4R1CB01#	p157
			4.2pF		GJM0332C1E4R2WB01#	p157
				±0.1pF	GJM0332C1E4R2BB01#	p157
					GJM0332C1E4R2CB01#	p157
			4.3pF	· ·	GJM0332C1E4R3WB01#	p157
				±0.1pF	GJM0332C1E4R3BB01#	p157
			4.4pF		GJM0332C1E4R3CB01#	p157
			4.4pr	±0.03pF	GJM0332C1E4R4WB01# GJM0332C1E4R4BB01#	p157 p157
					GJM0332C1E4R4CB01#	p157
			4.5pF		GJM0332C1E4R5WB01#	p157
				±0.1pF	GJM0332C1E4R5BB01#	p157
					GJM0332C1E4R5CB01#	p157
			4.6pF		GJM0332C1E4R6WB01#	p157
				±0.1pF	GJM0332C1E4R6BB01#	p157
				±0.25pF	GJM0332C1E4R6CB01#	p157
			4.7pF	±0.05pF	GJM0332C1E4R7WB01#	p157
				±0.1pF	GJM0332C1E4R7BB01#	p157
				±0.25pF	GJM0332C1E4R7CB01#	p157
			4.8pF	±0.05pF	GJM0332C1E4R8WB01#	p157
				±0.1pF	GJM0332C1E4R8BB01#	p157
				±0.25pF	GJM0332C1E4R8CB01#	p157
			4.9pF	±0.05pF	GJM0332C1E4R9WB01#	p157
				±0.1pF	GJM0332C1E4R9BB01#	p157
				±0.25pF	GJM0332C1E4R9CB01#	p157
			5.0pF	±0.05pF	GJM0332C1E5R0WB01#	p157
				±0.1pF	GJM0332C1E5R0BB01#	p157
				· ·	GJM0332C1E5R0CB01#	p157
			5.1pF	· ·	GJM0332C1E5R1WB01#	p157
				-	GJM0332C1E5R1BB01#	p157
				· ·	GJM0332C1E5R1CB01#	p157
			5 255	±0.5pF	GJM0332C1E5R1DB01#	p157
			5.2pF	-	GJM0332C1E5R2WB01#	p157
				±0.1pF	GJM0332C1E5R2BB01#	p157

3mm	T nax.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
S.3pF	3mm	25Vdc	СН	5.2pF	±0.25pF	GJM0332C1E5R2CB01#	p157
#0.15F GJM0332C1E5R3B801# p157 #0.25pF GJM0332C1E5R3CB01# p157 #0.5pF GJM0332C1E5R3CB01# p157 #0.15pF GJM0332C1E5R4WB01# p157 #0.15pF GJM0332C1E5R4WB01# p157 #0.5pF GJM0332C1E5R4WB01# p157 #0.5pF GJM0332C1E5R5D801# p157 #0.5pF GJM0332C1E5R6D801# p157 #0.5pF GJM0332C1E5R7B801# p157 #0.5pF GJM0332C1E5R7B801# p157 #0.5pF GJM0332C1E5R8D801# p157 #0.5pF GJM0332C1E5R0B01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R2D801# p157 #0.5pF GJM0332C1E6R2D801# p157 #0.5pF GJM0332C1E6R2D801# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B00# p157 #0.5pF GJM0332C1E6R3B00#					±0.5pF	GJM0332C1E5R2DB01#	p157
#0.25pF GJM0332C1E5R3CB01# p157 #0.5pF GJM0332C1E5R4WB01# p157 #0.1pF GJM0332C1E5R4WB01# p157 #0.25pF GJM0332C1E5R4WB01# p157 #0.5pF GJM0332C1E5R4WB01# p157 #0.5pF GJM0332C1E5R5WB01# p157 #0.5pF GJM0332C1E5R6WB01# p157 #0.5pF GJM0332C1E5R6WB01# p157 #0.5pF GJM0332C1E5R6WB01# p157 #0.5pF GJM0332C1E5R6WB01# p157 #0.5pF GJM0332C1E5R7WB01# p157 #0.5pF GJM0332C1E5R7WB01# p157 #0.5pF GJM0332C1E5R7WB01# p157 #0.5pF GJM0332C1E5R8WB01# p157 #0.5pF GJM0332C1E5R9WB01# p157 #0.5pF GJM0332C1E6R0WB01# p157 #0.5pF GJM0332C1E6R1B001# p157 #0.5pF GJM0332C1E6R1B001# p157 #0.5pF GJM0332C1E6R1B001# p157 #0.5pF GJM0332C1E6R2WB01# p157 #0.5pF GJM0332C1E6R3B001# p15				5.3pF	±0.05pF	GJM0332C1E5R3WB01#	p157
10.5pF GJM0332C1E5R3DB01# p157 10.5pF GJM033C1E5R4BB01# p157 10.5pF GJM033C1E5R4BB01# p157 10.5pF GJM033C1E5R4BB01# p157 10.5pF GJM033C1E5R5BB01# p157 10.5pF GJM033C1E5R6BB01# p157 10.5pF GJM033C1E5R7BB01# p157 10.5pF GJM033C1E5R7BB01# p157 10.5pF GJM033C1E5R8BB01# p157 10.5pF GJM033C1E5R9BB01# p157 10.5pF GJM033C1E6R0B001# p157 10.5pF GJM033C1E6R1B001# p157 10.5pF GJM033C1E6R1B001# p157 10.5pF GJM033C1E6R3B001# p157 10.					±0.1pF	GJM0332C1E5R3BB01#	p157
5.4pF					±0.25pF	GJM0332C1E5R3CB01#	p157
#0.1pF GJM0332C1E5R4BB01# p157 #0.5pF GJM0332C1E5R5BB01# p157 #0.1pF GJM0332C1E5R6BB01# p157 #0.1pF GJM0332C1E5R6BB01# p157 #0.1pF GJM0332C1E5R6BB01# p157 #0.1pF GJM0332C1E5R7BB01# p157 #0.1pF GJM0332C1E5R7BB01# p157 #0.1pF GJM0332C1E5R7BB01# p157 #0.25pF GJM0332C1E5R5BB01# p157 #0.25pF GJM0332C1E5R0B01# p157 #0.25pF GJM0332C1E6R0B01# p157 #0.25pF GJM0332C1E6R1B01# p157 #0.25pF GJM0332C1E6R1B01# p157 #0.25pF GJM0332C1E6R1B01# p157 #0.25pF GJM0332C1E6R1B01# p157 #0.25pF GJM0332C1E6R2B01# p157 #0.25pF GJM0332C1E6R3B01# p157 #0.2					±0.5pF	GJM0332C1E5R3DB01#	p157
10.25pF GJM0332C1E5R4CB01# 0157				5.4pF	±0.05pF	GJM0332C1E5R4WB01#	p157
#0.5pF GJM0332C1E5R4DB01# p157 #0.1pF GJM0332C1E5R5B01# p157 #0.5pF GJM0332C1E5R5B01# p157 #0.5pF GJM0332C1E5R5B01# p157 #0.1pF GJM0332C1E5R5B01# p157 #0.1pF GJM0332C1E5R6B01# p157 #0.1pF GJM0332C1E5R6B01# p157 #0.5pF GJM0332C1E5R6B01# p157 #0.5pF GJM0332C1E5R6B01# p157 #0.5pF GJM0332C1E5R6B01# p157 #0.5pF GJM0332C1E5R7B001# p157 #0.5pF GJM0332C1E5R7B001# p157 #0.5pF GJM0332C1E5R7B001# p157 #0.5pF GJM0332C1E5R7B001# p157 #0.5pF GJM0332C1E5R8B01# p157 #0.5pF GJM0332C1E5R8B001# p157 #0.1pF GJM0332C1E5R8B001# p157 #0.1pF GJM0332C1E5R8B001# p157 #0.1pF GJM0332C1E5R8B001# p157 #0.5pF GJM0332C1E5R8B001# p157 #0.5pF GJM0332C1E5R8B001# p157 #0.5pF GJM0332C1E5R9B01# p157 #0.5pF GJM0332C1E5R9B01# p157 #0.5pF GJM0332C1E5R9B01# p157 #0.5pF GJM0332C1E5R9B01# p157 #0.5pF GJM0332C1E5R0B01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R1B01# p157 #0.5pF GJM0332C1E6R2B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R4B01#					±0.1pF	GJM0332C1E5R4BB01#	p157
#0.5pF GJM0332C1E5R4DB01# p157 #0.1pF GJM0332C1E5R5B01# p157 #0.5pF GJM0332C1E5R5B01# p157 #0.5pF GJM0332C1E5R5B01# p157 #0.1pF GJM0332C1E5R5B01# p157 #0.1pF GJM0332C1E5R6B01# p157 #0.1pF GJM0332C1E5R6B01# p157 #0.5pF GJM0332C1E5R6B01# p157 #0.5pF GJM0332C1E5R6B01# p157 #0.5pF GJM0332C1E5R6B01# p157 #0.5pF GJM0332C1E5R7B001# p157 #0.5pF GJM0332C1E5R7B001# p157 #0.5pF GJM0332C1E5R7B001# p157 #0.5pF GJM0332C1E5R7B001# p157 #0.5pF GJM0332C1E5R8B01# p157 #0.5pF GJM0332C1E5R8B001# p157 #0.1pF GJM0332C1E5R8B001# p157 #0.1pF GJM0332C1E5R8B001# p157 #0.1pF GJM0332C1E5R8B001# p157 #0.5pF GJM0332C1E5R8B001# p157 #0.5pF GJM0332C1E5R8B001# p157 #0.5pF GJM0332C1E5R9B01# p157 #0.5pF GJM0332C1E5R9B01# p157 #0.5pF GJM0332C1E5R9B01# p157 #0.5pF GJM0332C1E5R9B01# p157 #0.5pF GJM0332C1E5R0B01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R1B01# p157 #0.5pF GJM0332C1E6R2B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R4B01#					±0.25pF	GJM0332C1E5R4CB01#	p157
5.5pF ±0.05pF GJM0332C1E5RSWB01# p157 ±0.1pF GJM0332C1E5RSWB01# p157 ±0.5pF GJM0332C1E5RSWB01# p157 ±0.1pF GJM0332C1E5RSWB01# p157 ±0.25pF GJM0332C1E6R0WB01# p157 ±0.25pF GJM0332C1E6R0WB01# p157 ±0.25pF GJM0332C1E6R0B01# p157 ±0.25pF GJM0332C1E6R0B01# p157 ±0.25pF GJM0332C1E6R0B01# p157 ±0.25pF GJM0332C1E6R0B01# p157 ±0.25pF GJM0332C1E6R1WB01# p157 ±0.25pF GJM0332C1E6R2B01# p157 ±0.25pF GJM0332C1E6R3B01# p157 ±0.25pF GJM0332C1E6R3B0					±0.5pF	GJM0332C1E5R4DB01#	
±0.25pF GJM0332C1E5R5CB01# p157				5.5pF	±0.05pF	GJM0332C1E5R5WB01#	p157
#0.25pF GJM0332C1E5R5CB01# p157 #0.5pF GJM0332C1E5R6WB01# p157 #0.1pF GJM0332C1E5R6WB01# p157 #0.25pF GJM0332C1E5R6WB01# p157 #0.5pF GJM0332C1E5R6WB01# p157 #0.5pF GJM0332C1E5R6WB01# p157 #0.5pF GJM0332C1E5R7WB01# p157 #0.5pF GJM0332C1E5R7WB01# p157 #0.5pF GJM0332C1E5R7WB01# p157 #0.5pF GJM0332C1E5R7WB01# p157 #0.5pF GJM0332C1E5R8WB01# p157 #0.5pF GJM0332C1E5R9BB01# p157 #0.5pF GJM0332C1E6R0BB01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R2B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B01# p157 #0.5pF GJM0332C1E6R3B001# p157 #0.5pF GJM0332C1E6R4B001# p157 #0.5pF GJM0332C1E6R5B001# p157 #0.5pF GJM0332C1E6R5B001# p157 #0.5pF GJM0332C1E6R5B001# p157 #0.5pF GJM0332C1E6R4B001# p157 #0.5pF GJM0332C1E6R5B001# p157 #0.5pF GJM033					±0.1pF	GJM0332C1E5R5BB01#	
5.6pF					-		<u> </u>
#0.1pF GJM0332C1E5R6BB01# p157 #0.2spF GJM0332C1E5R6BB01# p157 #0.5pF GJM0332C1E5R6BB01# p157 #0.1pF GJM0332C1E5R7BB01# p157 #0.2spF GJM0332C1E5R7BB01# p157 #0.2spF GJM0332C1E5R7BB01# p157 #0.2spF GJM0332C1E5R8BB01# p157 #0.2spF GJM0332C1E5R9BB01# p157 #0.2spF GJM0332C1E5R9BB01# p157 #0.2spF GJM0332C1E5R9BB01# p157 #0.2spF GJM0332C1E5R9BB01# p157 #0.2spF GJM0332C1E6R0BB01# p157 #0.2spF GJM0332C1E6R0BB01# p157 #0.2spF GJM0332C1E6R0BB01# p157 #0.2spF GJM0332C1E6R0BB01# p157 #0.2spF GJM0332C1E6R0B01# p157 #0.2spF GJM0332C1E6R1BB01# p157 #0.2spF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.5pF GJM03					±0.5pF	GJM0332C1E5R5DB01#	p157
#0.1pF GJM0332C1E5R6BB01# p157 #0.2spF GJM0332C1E5R6BB01# p157 #0.5pF GJM0332C1E5R6BB01# p157 #0.1pF GJM0332C1E5R7BB01# p157 #0.2spF GJM0332C1E5R7BB01# p157 #0.2spF GJM0332C1E5R7BB01# p157 #0.2spF GJM0332C1E5R8BB01# p157 #0.2spF GJM0332C1E5R9BB01# p157 #0.2spF GJM0332C1E5R9BB01# p157 #0.2spF GJM0332C1E5R9BB01# p157 #0.2spF GJM0332C1E5R9BB01# p157 #0.2spF GJM0332C1E6R0BB01# p157 #0.2spF GJM0332C1E6R0BB01# p157 #0.2spF GJM0332C1E6R0BB01# p157 #0.2spF GJM0332C1E6R0BB01# p157 #0.2spF GJM0332C1E6R0B01# p157 #0.2spF GJM0332C1E6R1BB01# p157 #0.2spF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.5pF GJM03				5.6pF	±0.05pF	GJM0332C1E5R6WB01#	p157
±0.25pF GJM0332C1E5R6CB01# p157 ±0.5pF GJM0332C1E5R7WB01# p157 ±0.1pF GJM0332C1E5R7BB01# p157 ±0.25pF GJM0332C1E5R7BB01# p157 ±0.5pF GJM0332C1E5R7BB01# p157 ±0.5pF GJM0332C1E5R7BB01# p157 ±0.1pF GJM0332C1E5R8WB01# p157 ±0.25pF GJM0332C1E5R8BB01# p157 ±0.25pF GJM0332C1E5R8BB01# p157 ±0.5pF GJM0332C1E5R8BB01# p157 ±0.5pF GJM0332C1E5R8BB01# p157 ±0.25pF GJM0332C1E5R9BB01# p157 ±0.25pF GJM0332C1E5R0B01# p157 ±0.25pF GJM0332C1E6R0B01# p157 ±0.25pF GJM0332C1E6R0B01# p157 ±0.25pF GJM0332C1E6R0B01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R2BB01# p157 ±0.25pF GJM0332C1E6R3BB01# p157					±0.1pF	GJM0332C1E5R6BB01#	p157
\$\begin{array}{c} \begin{array}{c} \ell \cdot							<u> </u>
5.7pF							_
### 1.01pF GJM0332C1E5R7BB01# p157 ### 20.25pF GJM0332C1E5R7BB01# p157 ### 20.1pF GJM0332C1E5R8BB01# p157 ### 20.25pF GJM0332C1E5R9BB01# p157 ### 20.25pF GJM0332C1E5R9BB01# p157 ### 20.25pF GJM0332C1E5R9BB01# p157 ### 20.25pF GJM0332C1E5R9BB01# p157 ### 20.25pF GJM0332C1E6R0BB01# p157 ### 20.25pF GJM0332C1E6R0BB01# p157 ### 20.25pF GJM0332C1E6R0BB01# p157 ### 20.25pF GJM0332C1E6R1BB01# p157 ### 20.25pF GJM0332C1E6R1BB01# p157 ### 20.25pF GJM0332C1E6R2BB01# p157 ### 20.25pF GJM0332C1E6R2BB01# p157 ### 20.25pF GJM0332C1E6R2BB01# p157 ### 20.25pF GJM0332C1E6R3BB01# p157 ### 20.25pF GJM0332C1E6R4BB01# p157 ### 20.25pF GJM0332C1E6R5BB01# p157 ### 20.25pF GJM0332C1E6R5BB01#				5.7pF			i –
±0.25pF GJM0332C1E5R7CB01# p157 ±0.5pF GJM0332C1E5R8WB01# p157 ±0.1pF GJM0332C1E5R8BB01# p157 ±0.25pF GJM0332C1E5R8BB01# p157 ±0.5pF GJM0332C1E5R8BB01# p157 ±0.5pF GJM0332C1E5R8BB01# p157 ±0.1pF GJM0332C1E5R9BB01# p157 ±0.1pF GJM0332C1E5R9BB01# p157 ±0.5pF GJM0332C1E5R9BB01# p157 ±0.5pF GJM0332C1E5R9BB01# p157 ±0.5pF GJM0332C1E5R9BB01# p157 ±0.5pF GJM0332C1E5R9BB01# p157 ±0.1pF GJM0332C1E6R0WB01# p157 ±0.25pF GJM0332C1E6R0BB01# p157 ±0.5pF GJM0332C1E6R0BB01# p157 ±0.5pF GJM0332C1E6R1WB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R4BB01# p157 ±0.5pF GJM0332C1E6R5BB01# p157							
# 0.5pF GJM0332C1E5R7DB01# p157 # 0.1pF GJM0332C1E5R8BB01# p157 # 0.25pF GJM0332C1E5R8BB01# p157 # 0.25pF GJM0332C1E5R8BB01# p157 # 0.05pF GJM0332C1E5R8DB01# p157 # 0.05pF GJM0332C1E5R8DB01# p157 # 0.1pF GJM0332C1E5R9BB01# p157 # 0.25pF GJM0332C1E5R9BB01# p157 # 0.25pF GJM0332C1E5R9BB01# p157 # 0.5pF GJM0332C1E5R9BB01# p157 # 0.05pF GJM0332C1E6R0BB01# p157 # 0.05pF GJM0332C1E6R0BB01# p157 # 0.05pF GJM0332C1E6R0BB01# p157 # 0.05pF GJM0332C1E6R0BB01# p157 # 0.05pF GJM0332C1E6R1BB01# p157 # 0.1pF GJM0332C1E6R1BB01# p157 # 0.25pF GJM0332C1E6R1BB01# p157 # 0.5pF GJM0332C1E6R1BB01# p157 # 0.5pF GJM0332C1E6R2BB01# p157 # 0.1pF GJM0332C1E6R2BB01# p157 # 0.5pF GJM0332C1E6R2BB01# p157 # 0.5pF GJM0332C1E6R2BB01# p157 # 0.5pF GJM0332C1E6R2BB01# p157 # 0.5pF GJM0332C1E6R3BB01# p157 # 0.5pF GJM0332C1E6R4BB01# p157 # 0.5pF GJM0332C1E6R5BB01# p157							
5.8pF							
#0.1pF GJM0332C1E5R8BB01# p157 #0.25pF GJM0332C1E5R8DB01# p157 #0.5pF GJM0332C1E5R9WB01# p157 #0.1pF GJM0332C1E5R9BB01# p157 #0.25pF GJM0332C1E5R9BB01# p157 #0.25pF GJM0332C1E5R9DB01# p157 #0.5pF GJM0332C1E5R9DB01# p157 #0.5pF GJM0332C1E6R0WB01# p157 #0.5pF GJM0332C1E6R0BB01# p157 #0.5pF GJM0332C1E6R0BB01# p157 #0.5pF GJM0332C1E6R0BB01# p157 #0.5pF GJM0332C1E6R0BB01# p157 #0.5pF GJM0332C1E6R1WB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R2WB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.5pF GJM0332C1E6R4WB01# p157 #0.5pF GJM0332C1E6R4WB01# p157 #0.5pF GJM0332C1E6R4WB01# p157 #0.5pF GJM0332C1E6R4WB01# p157 #0.5pF GJM0332C1E6R4BB01# p157 #0.5pF GJM0332C1E6R5BB01# p157				5.8pF			i –
±0.25pF GJM0332C1E5R8CB01# p157 ±0.5pF GJM0332C1E5R9BB01# p157 ±0.1pF GJM0332C1E5R9BB01# p157 ±0.25pF GJM0332C1E5R9BB01# p157 ±0.5pF GJM0332C1E5R9DB01# p157 ±0.5pF GJM0332C1E5R9DB01# p157 ±0.1pF GJM0332C1E6R0WB01# p157 ±0.1pF GJM0332C1E6R0BB01# p157 ±0.5pF GJM0332C1E6R0BB01# p157 ±0.5pF GJM0332C1E6R0BB01# p157 ±0.1pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.5pF GJM0332C1E6R1BB01# p157 ±0.5pF GJM0332C1E6R1BB01# p157 ±0.5pF GJM0332C1E6R2WB01# p157 ±0.1pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.25pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.5pF GJM0332C1E6R4BB01# p157 ±0.5pF GJM0332C1E6R5BB01# p157 ±0.5pF GJM0332C1E6R5BB01# p157				·			i –
±0.5pF GJM0332C1E5R9BB01# p157 ±0.1pF GJM0332C1E5R9BB01# p157 ±0.25pF GJM0332C1E5R9BB01# p157 ±0.5pF GJM0332C1E5R9BB01# p157 ±0.5pF GJM0332C1E5R9DB01# p157 ±0.1pF GJM0332C1E6R0WB01# p157 ±0.1pF GJM0332C1E6R0BB01# p157 ±0.5pF GJM0332C1E6R0BB01# p157 ±0.5pF GJM0332C1E6R0BB01# p157 ±0.1pF GJM0332C1E6R1WB01# p157 ±0.1pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.5pF GJM0332C1E6R1BB01# p157 ±0.5pF GJM0332C1E6R1BB01# p157 ±0.1pF GJM0332C1E6R2WB01# p157 ±0.1pF GJM0332C1E6R2WB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.1pF GJM0332C1E6R3BB01# p157 ±0.25pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.5pF GJM0332C1E6R4BB01# p157 ±0.5pF GJM0332C1E6R5BB01# p157 ±0.5pF GJM0332C1E6R5BB01# p157					-		_
5.9pF ±0.05pF GJM0332C1E5R9WB01# p157 ±0.1pF GJM0332C1E5R9BB01# p157 ±0.5pF GJM0332C1E5R9DB01# p157 ±0.5pF GJM0332C1E6R0WB01# p157 ±0.1pF GJM0332C1E6R0BB01# p157 ±0.25pF GJM0332C1E6R0BB01# p157 ±0.25pF GJM0332C1E6R0DB01# p157 ±0.5pF GJM0332C1E6R0B01# p157 ±0.5pF GJM0332C1E6R1WB01# p157 ±0.1pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1BB01# p157 ±0.5pF GJM0332C1E6R1BB01# p157 ±0.5pF GJM0332C1E6R2WB01# p157 ±0.5pF GJM0332C1E6R2WB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R3BB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.5pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R5BB01# p157 ±0.5pF GJM0332C1E6R5BB01# p157							
#0.25pF GJM0332C1E5R9CB01# p157 #0.5pF GJM0332C1E5R9DB01# p157 #0.1pF GJM0332C1E6R0BB01# p157 #0.25pF GJM0332C1E6R0BB01# p157 #0.5pF GJM0332C1E6R0BB01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.1pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.25pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.5pF GJM0332C1E6R4BB01# p157 #0.5pF GJM0332C1E6R5BB01# p157 #0.5pF GJM0332C1E6R5BB01# p157				5.9pF	±0.05pF	GJM0332C1E5R9WB01#	p157
#0.5pF GJM0332C1E5R9DB01# p157 #0.0pF #0.0pp GJM0332C1E6R0BB01# p157 #0.1pF GJM0332C1E6R0BB01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.1pF GJM0332C1E6R1WB01# p157 #0.2pp GJM0332C1E6R1BB01# p157 #0.5pp GJM0332C1E6R1BB01# p157 #0.5pp GJM0332C1E6R1BB01# p157 #0.5pp GJM0332C1E6R2WB01# p157 #0.1pp GJM0332C1E6R2BB01# p157 #0.2pp GJM0332C1E6R2BB01# p157 #0.5pp GJM0332C1E6R2BB01# p157 #0.5pp GJM0332C1E6R3WB01# p157 #0.5pp GJM0332C1E6R3WB01# p157 #0.1pp GJM0332C1E6R3BB01# p157 #0.5pp GJM0332C1E6R3BB01# p157 #0.5pp GJM0332C1E6R3BB01# p157 #0.5pp GJM0332C1E6R3BB01# p157 #0.5pp GJM0332C1E6R4WB01# p157 #0.1pp GJM0332C1E6R4BB01# p157 #0.5pp GJM0332C1E6R5BB01# p157					±0.1pF	GJM0332C1E5R9BB01#	p157
6.0pF					±0.25pF	GJM0332C1E5R9CB01#	p157
#0.1pF GJM0332C1E6R0BB01# p157 #0.25pF GJM0332C1E6R0B01# p157 #0.5pF GJM0332C1E6R0B01# p157 #0.1pF GJM0332C1E6R1BB01# p157 #0.25pF GJM0332C1E6R1BB01# p157 #0.25pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1BB01# p157 #0.1pF GJM0332C1E6R2BB01# p157 #0.1pF GJM0332C1E6R2BB01# p157 #0.25pF GJM0332C1E6R2BB01# p157 #0.25pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.1pF GJM0332C1E6R3BB01# p157 #0.25pF GJM0332C1E6R3BB01# p157 #0.25pF GJM0332C1E6R3BB01# p157 #0.25pF GJM0332C1E6R3BB01# p157 #0.25pF GJM0332C1E6R4BB01# p157 #0.25pF GJM0332C1E6R5BB01# p157 #0.1pF GJM0332C1E6R5BB01# p157 #0.1pF GJM0332C1E6R5BB01# p157					±0.5pF	GJM0332C1E5R9DB01#	p157
#0.25pF GJM0332C1E6R0CB01# p157 #0.5pF GJM0332C1E6R0DB01# p157 #0.1pF GJM0332C1E6R1BB01# p157 #0.25pF GJM0332C1E6R1BB01# p157 #0.25pF GJM0332C1E6R1CB01# p157 #0.5pF GJM0332C1E6R1CB01# p157 #0.1pF GJM0332C1E6R2BB01# p157 #0.1pF GJM0332C1E6R2BB01# p157 #0.25pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R2CB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.1pF GJM0332C1E6R3BB01# p157 #0.25pF GJM0332C1E6R3CB01# p157 #0.25pF GJM0332C1E6R3CB01# p157 #0.25pF GJM0332C1E6R3CB01# p157 #0.25pF GJM0332C1E6R3CB01# p157 #0.25pF GJM0332C1E6R4CB01# p157 #0.25pF GJM0332C1E6R5CB01# p157 #0.25pF GJM0332C1E6R5CB01# p157				6.0pF	±0.05pF	GJM0332C1E6R0WB01#	p157
#0.5pF GJM0332C1E6R0DB01# p157 #0.1pF GJM0332C1E6R1BB01# p157 #0.25pF GJM0332C1E6R1BB01# p157 #0.5pF GJM0332C1E6R1DB01# p157 #0.5pF GJM0332C1E6R2WB01# p157 #0.1pF GJM0332C1E6R2WB01# p157 #0.1pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.5pF GJM0332C1E6R2BB01# p157 #0.1pF GJM0332C1E6R3WB01# p157 #0.1pF GJM0332C1E6R3WB01# p157 #0.1pF GJM0332C1E6R3BB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.5pF GJM0332C1E6R3BB01# p157 #0.5pF GJM0332C1E6R4WB01# p157 #0.5pF GJM0332C1E6R4WB01# p157 #0.5pF GJM0332C1E6R4BB01# p157 #0.5pF GJM0332C1E6R5BB01# p157 #0.5pF GJM0332C1E6R5BB01# p157					±0.1pF	GJM0332C1E6R0BB01#	p157
6.1pF ±0.05pF GJM0332C1E6R1WB01# p157 ±0.1pF GJM0332C1E6R1BB01# p157 ±0.25pF GJM0332C1E6R1CB01# p157 ±0.5pF GJM0332C1E6R1DB01# p157 ±0.1pF GJM0332C1E6R2WB01# p157 ±0.1pF GJM0332C1E6R2BB01# p157 ±0.25pF GJM0332C1E6R2CB01# p157 ±0.5pF GJM0332C1E6R3WB01# p157 ±0.1pF GJM0332C1E6R3WB01# p157 ±0.25pF GJM0332C1E6R3WB01# p157 ±0.25pF GJM0332C1E6R3CB01# p157 ±0.25pF GJM0332C1E6R3CB01# p157 ±0.5pF GJM0332C1E6R3CB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R5CB01# p157					±0.25pF	GJM0332C1E6R0CB01#	p157
±0.1pF GJM0332C1E6R1BB01# p157 ±0.2pF GJM0332C1E6R1DB01# p157 ±0.5pF GJM0332C1E6R1DB01# p157 £0.1pF GJM0332C1E6R2WB01# p157 ±0.1pF GJM0332C1E6R2BB01# p157 ±0.2pF GJM0332C1E6R2BB01# p157 ±0.5pF GJM0332C1E6R2DB01# p157 ±0.1pF GJM0332C1E6R3WB01# p157 ±0.1pF GJM0332C1E6R3BB01# p157 ±0.2pF GJM0332C1E6R3CB01# p157 ±0.2pF GJM0332C1E6R3DB01# p157 ±0.5pF GJM0332C1E6R3DB01# p157 ±0.1pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4DB01# p157 ±0.2pF GJM0332C1E6R4DB01# p157 ±0.2pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R5WB01# p157 ±0.5pF GJM0332C1E6R5DB01# p157					±0.5pF	GJM0332C1E6R0DB01#	p157
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6.2pF ±0.05pF GJM0332C1E6R2WB01# p157 ±0.1pF GJM0332C1E6R2BB01# p157 ±0.25pF GJM0332C1E6R2CB01# p157 ±0.5pF GJM0332C1E6R2DB01# p157 ±0.5pF GJM0332C1E6R3WB01# p157 ±0.1pF GJM0332C1E6R3BB01# p157 ±0.25pF GJM0332C1E6R3CB01# p157 ±0.5pF GJM0332C1E6R3DB01# p157 ±0.5pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4BB01# p157 ±0.2pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R5WB01# p157 ±0.5pF GJM0332C1E6R5WB01# p157					±0.25pF	GJM0332C1E6R1CB01#	p157
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±0.25pF GJM0332C1E6R2CB01# p157 ±0.5pF GJM0332C1E6R2DB01# p157 6.3pF ±0.05pF GJM0332C1E6R3WB01# p157 ±0.1pF GJM0332C1E6R3BB01# p157 ±0.25pF GJM0332C1E6R3CB01# p157 ±0.5pF GJM0332C1E6R3DB01# p157 ±0.1pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4CB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5WB01# p157				6.2pF	±0.05pF	GJM0332C1E6R2WB01#	p157
±0.5pF GJM0332C1E6R2DB01# p157 6.3pF ±0.05pF GJM0332C1E6R3WB01# p157 ±0.1pF GJM0332C1E6R3BB01# p157 ±0.25pF GJM0332C1E6R3CB01# p157 ±0.5pF GJM0332C1E6R3DB01# p157 ±0.1pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4CB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R5WB01# p157 ±0.5pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5WB01# p157					±0.1pF	GJM0332C1E6R2BB01#	p157
6.3pF ±0.05pF GJM0332C1E6R3WB01# p157 ±0.1pF GJM0332C1E6R3BB01# p157 ±0.25pF GJM0332C1E6R3CB01# p157 ±0.5pF GJM0332C1E6R3DB01# p157 ±0.1pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4CB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.1pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5BB01# p157					±0.25pF	GJM0332C1E6R2CB01#	p157
±0.1pF GJM0332C1E6R3BB01# p157 ±0.25pF GJM0332C1E6R3CB01# p157 ±0.5pF GJM0332C1E6R3DB01# p157 6.4pF ±0.05pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4BB01# p157 ±0.25pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5WB01# p157 ±0.25pF GJM0332C1E6R5BB01# p157					±0.5pF	GJM0332C1E6R2DB01#	p157
±0.25pF GJM0332C1E6R3CB01# p157 ±0.5pF GJM0332C1E6R3DB01# p157 6.4pF ±0.05pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4BB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 ±0.5pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5BB01# p157 ±0.25pF GJM0332C1E6R5BB01# p157				6.3pF	±0.05pF	GJM0332C1E6R3WB01#	p157
±0.5pF GJM0332C1E6R3DB01# p157 6.4pF ±0.05pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4BB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 6.5pF ±0.05pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5BB01# p157 ±0.25pF GJM0332C1E6R5CB01# p157					±0.1pF	GJM0332C1E6R3BB01#	p157
6.4pF ±0.05pF GJM0332C1E6R4WB01# p157 ±0.1pF GJM0332C1E6R4BB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 6.5pF ±0.05pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5BB01# p157 ±0.25pF GJM0332C1E6R5CB01# p157					±0.25pF	GJM0332C1E6R3CB01#	p157
±0.1pF GJM0332C1E6R4BB01# p157 ±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 6.5pF ±0.05pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5BB01# p157 ±0.25pF GJM0332C1E6R5CB01# p157					±0.5pF	GJM0332C1E6R3DB01#	p157
±0.25pF GJM0332C1E6R4CB01# p157 ±0.5pF GJM0332C1E6R4DB01# p157 6.5pF ±0.05pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5BB01# p157 ±0.25pF GJM0332C1E6R5CB01# p157				6.4pF	±0.05pF	GJM0332C1E6R4WB01#	p157
±0.5pF GJM0332C1E6R4DB01# p157 6.5pF ±0.05pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5BB01# p157 ±0.25pF GJM0332C1E6R5CB01# p157					±0.1pF	GJM0332C1E6R4BB01#	p157
6.5pF ±0.05pF GJM0332C1E6R5WB01# p157 ±0.1pF GJM0332C1E6R5BB01# p157 ±0.25pF GJM0332C1E6R5CB01# p157					±0.25pF	GJM0332C1E6R4CB01#	p157
±0.1pF GJM0332C1E6R5BB01# p157 ±0.25pF GJM0332C1E6R5CB01# p157					±0.5pF	GJM0332C1E6R4DB01#	p157
±0.25pF GJM0332C1E6R5CB01# p157				6.5pF	±0.05pF	GJM0332C1E6R5WB01#	p157
					±0.1pF	GJM0332C1E6R5BB01#	p157
±0.5pF GJM0332C1E6R5DB01# p157					±0.25pF	GJM0332C1E6R5CB01#	p157
					±0.5pF	GJM0332C1E6R5DB01#	p157

Part number # indicates the package specification code.

 $^{*\}mbox{:}$ Refers to the page of the "Specifications and Test Methods".

GRM

GR3

GRJ

GA2

GD C

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148

GJM Series Temperature Compensating Type Part Number List

(→ 0.6×	0.3mm	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.33mm	25Vdc	СН	6.6pF	±0.05pF	GJM0332C1E6R6WB01#	p157
				±0.1pF	GJM0332C1E6R6BB01#	p157
				±0.25pF	GJM0332C1E6R6CB01#	p157
				±0.5pF	GJM0332C1E6R6DB01#	p157
			6.7pF	±0.05pF	GJM0332C1E6R7WB01#	p157
				±0.1pF	GJM0332C1E6R7BB01#	p157
				±0.25pF	GJM0332C1E6R7CB01#	p157
				±0.5pF	GJM0332C1E6R7DB01#	p157
			6.8pF	±0.05pF	GJM0332C1E6R8WB01#	p157
				±0.1pF	GJM0332C1E6R8BB01#	p157
				±0.25pF	GJM0332C1E6R8CB01#	p157
				±0.5pF	GJM0332C1E6R8DB01#	p157
			6.9pF	±0.05pF	GJM0332C1E6R9WB01#	p157
				±0.1pF	GJM0332C1E6R9BB01#	p157
				±0.25pF	GJM0332C1E6R9CB01#	p157
				±0.5pF	GJM0332C1E6R9DB01#	p157
			7.0pF	±0.05pF	GJM0332C1E7R0WB01#	p157
				±0.1pF	GJM0332C1E7R0BB01#	p157
				±0.25pF	GJM0332C1E7R0CB01#	p157
				±0.5pF	GJM0332C1E7R0DB01#	p157
			7.1pF	±0.05pF	GJM0332C1E7R1WB01#	p157
				±0.1pF	GJM0332C1E7R1BB01#	p157
				±0.25pF	GJM0332C1E7R1CB01#	p157
				±0.5pF	GJM0332C1E7R1DB01#	p157
			7.2pF	±0.05pF	GJM0332C1E7R2WB01#	p157
				±0.1pF	GJM0332C1E7R2BB01#	p157
				±0.25pF	GJM0332C1E7R2CB01#	p157
				±0.5pF	GJM0332C1E7R2DB01#	p157
			7.3pF	±0.05pF	GJM0332C1E7R3WB01#	p157
				±0.1pF	GJM0332C1E7R3BB01#	p157
				±0.25pF	GJM0332C1E7R3CB01#	p157
				±0.5pF	GJM0332C1E7R3DB01#	p157
			7.4pF	±0.05pF	GJM0332C1E7R4WB01#	p157
				±0.1pF	GJM0332C1E7R4BB01#	p157
				±0.25pF	GJM0332C1E7R4CB01#	p157
				±0.5pF	GJM0332C1E7R4DB01#	p157
			7.5pF	±0.05pF	GJM0332C1E7R5WB01#	p157
				±0.1pF	GJM0332C1E7R5BB01#	p157
				±0.25pF	GJM0332C1E7R5CB01#	p157
				±0.5pF	GJM0332C1E7R5DB01#	p157
			7.6pF	±0.05pF	GJM0332C1E7R6WB01#	p157
				±0.1pF	GJM0332C1E7R6BB01#	p157
				±0.25pF	GJM0332C1E7R6CB01#	p157
				±0.5pF	GJM0332C1E7R6DB01#	p157
			7.7pF	±0.05pF	GJM0332C1E7R7WB01#	p157
				±0.1pF	GJM0332C1E7R7BB01#	p157
				±0.25pF	GJM0332C1E7R7CB01#	p157
				±0.5pF	GJM0332C1E7R7DB01#	p157
			7.8pF	±0.05pF	GJM0332C1E7R8WB01#	p157
				±0.1pF	GJM0332C1E7R8BB01#	p157
				±0.25pF	GJM0332C1E7R8CB01#	p157
				±0.5pF	GJM0332C1E7R8DB01#	p157
			7.9pF	±0.05pF	GJM0332C1E7R9WB01#	p157
_				±0.1pF	GJM0332C1E7R9BB01#	p157
*: Refers to	o the page	of the	"Specificat	ions and T	est Methods".	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.33mm	25Vdc	СН	7.9pF	±0.25pF	GJM0332C1E7R9CB01#	p157
				±0.5pF	GJM0332C1E7R9DB01#	p157
			8.0pF	±0.05pF	GJM0332C1E8R0WB01#	p157
				±0.1pF	GJM0332C1E8R0BB01#	p157
				±0.25pF	GJM0332C1E8R0CB01#	p157
				±0.5pF	GJM0332C1E8R0DB01#	p157
			8.1pF	±0.05pF	GJM0332C1E8R1WB01#	p157
				±0.1pF	GJM0332C1E8R1BB01#	p157
				±0.25pF	GJM0332C1E8R1CB01#	p157
				±0.5pF	GJM0332C1E8R1DB01#	p157
			8.2pF	±0.05pF	GJM0332C1E8R2WB01#	p157
				±0.1pF	GJM0332C1E8R2BB01#	p157
				±0.25pF	GJM0332C1E8R2CB01#	p157
				±0.5pF	GJM0332C1E8R2DB01#	p157
			8.3pF	±0.05pF	GJM0332C1E8R3WB01#	p157
				±0.1pF	GJM0332C1E8R3BB01#	p157
				±0.25pF	GJM0332C1E8R3CB01#	p157
				±0.5pF	GJM0332C1E8R3DB01#	p157
			8.4pF	±0.05pF	GJM0332C1E8R4WB01#	p157
				±0.1pF	GJM0332C1E8R4BB01#	p157
				±0.25pF	GJM0332C1E8R4CB01#	p157
				±0.5pF	GJM0332C1E8R4DB01#	p157
			8.5pF	±0.05pF	GJM0332C1E8R5WB01#	p157
				±0.1pF	GJM0332C1E8R5BB01#	p157
				±0.25pF	GJM0332C1E8R5CB01#	p157
				±0.5pF	GJM0332C1E8R5DB01#	p157
			8.6pF	±0.05pF	GJM0332C1E8R6WB01#	p157
				±0.1pF	GJM0332C1E8R6BB01#	p157
				±0.25pF	GJM0332C1E8R6CB01#	p157
				±0.5pF	GJM0332C1E8R6DB01#	p157
			8.7pF		GJM0332C1E8R7WB01#	p157
					GJM0332C1E8R7BB01#	p157
					GJM0332C1E8R7CB01#	p157
					GJM0332C1E8R7DB01#	p157
			8.8pF		GJM0332C1E8R8WB01#	p157
					GJM0332C1E8R8BB01#	p157
					GJM0332C1E8R8CB01#	p157
			Q OpE	-	GJM0332C1E8R8DB01#	p157
			8.9pF		GJM0332C1E8R9WB01#	p157
					GJM0332C1E8R9BB01# GJM0332C1E8R9CB01#	p157
					GJM0332C1E8R9CB01#	p157
			9.0pF		GJM0332C1E8R9DB01#	p157
			э.орі		GJM0332C1E9R0BB01#	p157
					GJM0332C1E9R0CB01#	p157
					GJM0332C1E9R0DB01#	p157
			9.1pF		GJM0332C1E9R1WB01#	p157
			•	±0.1pF	GJM0332C1E9R1BB01#	p157
					GJM0332C1E9R1CB01#	p157
					GJM0332C1E9R1DB01#	p157
			9.2pF	±0.05pF	GJM0332C1E9R2WB01#	p157
				±0.1pF	GJM0332C1E9R2BB01#	p157
				±0.25pF	GJM0332C1E9R2CB01#	p157
				±0.5pF	GJM0332C1E9R2DB01#	p157

(→ 0.6×0.3mm)									
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*			
0.33mm	25Vdc	СН	9.3pF	±0.05pF	GJM0332C1E9R3WB01#	p157			
				±0.1pF	GJM0332C1E9R3BB01#	p157			
				±0.25pF	GJM0332C1E9R3CB01#	p157			
				±0.5pF	GJM0332C1E9R3DB01#	p157			
			9.4pF	±0.05pF	GJM0332C1E9R4WB01#	p157			
				±0.1pF	GJM0332C1E9R4BB01#	p157			
				±0.25pF	GJM0332C1E9R4CB01#	p157			
				±0.5pF	GJM0332C1E9R4DB01#	p157			
			9.5pF	±0.05pF	GJM0332C1E9R5WB01#	p157			
				±0.1pF	GJM0332C1E9R5BB01#	p157			
				±0.25pF	GJM0332C1E9R5CB01#	p157			
				±0.5pF	GJM0332C1E9R5DB01#	p157			
			9.6pF	±0.05pF	GJM0332C1E9R6WB01#	p157			
				±0.1pF	GJM0332C1E9R6BB01#	p157			
				±0.25pF	GJM0332C1E9R6CB01#	p157			
				±0.5pF	GJM0332C1E9R6DB01#	p157			
			9.7pF	±0.05pF	GJM0332C1E9R7WB01#	p157			
				±0.1pF	GJM0332C1E9R7BB01#	p157			
				±0.25pF	GJM0332C1E9R7CB01#	p157			
				±0.5pF	GJM0332C1E9R7DB01#	p157			
			9.8pF	±0.05pF	GJM0332C1E9R8WB01#	p157			
				±0.1pF	GJM0332C1E9R8BB01#	p157			
				±0.25pF	GJM0332C1E9R8CB01#	p157			
				±0.5pF	GJM0332C1E9R8DB01#	p157			
			9.9pF	±0.05pF	GJM0332C1E9R9WB01#	p157			
				±0.1pF	GJM0332C1E9R9BB01#	p157			
				±0.25pF	GJM0332C1E9R9CB01#	p157			
				±0.5pF	GJM0332C1E9R9DB01#	p157			
			10pF	±2%	GJM0332C1E100GB01#	p157			
				±5%	GJM0332C1E100JB01#	p157			
			11pF	±2%	GJM0332C1E110GB01#	p157			
				±5%	GJM0332C1E110JB01#	p157			
			12pF	±2%	GJM0332C1E120GB01#	p157			
				±5%	GJM0332C1E120JB01#	p157			
			13pF	±2%	GJM0332C1E130GB01#	p157			
				±5%	GJM0332C1E130JB01#	p157			
			15pF	±2%	GJM0332C1E150GB01#	p157			
				±5%	GJM0332C1E150JB01#	p157			
			16pF	±2%	GJM0332C1E160GB01#	p157			
			10.5	±5%	GJM0332C1E160JB01#	p157			
			18pF	±2%	GJM0332C1E180GB01#	p157			
				±5%	GJM0332C1E180JB01#	p157			
			20pF	±2%	GJM0332C1E200GB01#	p157			
			22-5	±5%	GJM0332C1E200JB01#	p157			
			22pF	±2%	GJM0332C1E220GB01#	p157			
			24pF	±5% ±2%	GJM0332C1E220JB01# GJM0332C1E240GB01#	p157			
			∠ - †µг	±5%	GJM0332C1E240GB01#	p157			
			27pF	±3%	GJM0332C1E240JB01#	p157			
			2 / Pi	±5%	GJM0332C1E270GB01#	p157			
			30pF	±2%	GJM0332C1E300GB01#	p157			
			- ~ P1	±5%	GJM0332C1E300JB01#	p157			
			33pF	±2%	GJM0332C1E330GB01#	p157			
			- 1	±5%	GJM0332C1E330JB01#	p157			
						<u> </u>			

1.0×0.5mm

1.0×0.	J111111					
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	50Vdc	COG	0.10pF	±0.05pF	GJM1555C1HR10WB01#	p157
				±0.1pF	GJM1555C1HR10BB01#	p157
			0.20pF	±0.05pF	GJM1555C1HR20WB01#	p157
				±0.1pF	GJM1555C1HR20BB01#	p157
			0.30pF	±0.05pF	GJM1555C1HR30WB01#	p157
				±0.1pF	GJM1555C1HR30BB01#	p157
			0.40pF	±0.05pF	GJM1555C1HR40WB01#	p157
				±0.1pF	GJM1555C1HR40BB01#	p157
			0.50pF	±0.05pF	GJM1555C1HR50WB01#	p157
				±0.1pF	GJM1555C1HR50BB01#	p157
			0.60pF	±0.05pF	GJM1555C1HR60WB01#	p157
				±0.1pF	GJM1555C1HR60BB01#	p157
			0.70pF	±0.05pF	GJM1555C1HR70WB01#	p157
				±0.1pF	GJM1555C1HR70BB01#	p157
			0.80pF	±0.05pF	GJM1555C1HR80WB01#	p157
				±0.1pF	GJM1555C1HR80BB01#	p157
			0.90pF	±0.05pF	GJM1555C1HR90WB01#	p157
				±0.1pF	GJM1555C1HR90BB01#	p157
			1.0pF	±0.05pF	GJM1555C1H1R0WB01#	p157
				±0.1pF	GJM1555C1H1R0BB01#	p157
				±0.25pF	GJM1555C1H1R0CB01#	p157
			1.1pF	±0.05pF	GJM1555C1H1R1WB01#	p157
				±0.1pF	GJM1555C1H1R1BB01#	p157
				±0.25pF	GJM1555C1H1R1CB01#	p157
			1.2pF	±0.05pF	GJM1555C1H1R2WB01#	p157
				±0.1pF	GJM1555C1H1R2BB01#	p157
				±0.25pF	GJM1555C1H1R2CB01#	p157
			1.3pF	±0.05pF	GJM1555C1H1R3WB01#	p157
				±0.1pF	GJM1555C1H1R3BB01#	p157
				±0.25pF	GJM1555C1H1R3CB01#	p157
			1.4pF	±0.05pF	GJM1555C1H1R4WB01#	p157
				±0.1pF	GJM1555C1H1R4BB01#	p157
				±0.25pF	GJM1555C1H1R4CB01#	p157
			1.5pF	±0.05pF	GJM1555C1H1R5WB01#	p157
				±0.1pF	GJM1555C1H1R5BB01#	p157
				±0.25pF	GJM1555C1H1R5CB01#	p157
			1.6pF	±0.05pF	GJM1555C1H1R6WB01#	p157
				±0.1pF	GJM1555C1H1R6BB01#	p157
				±0.25pF	GJM1555C1H1R6CB01#	p157
			1.7pF	±0.05pF	GJM1555C1H1R7WB01#	p157
				±0.1pF	GJM1555C1H1R7BB01#	p157
				±0.25pF	GJM1555C1H1R7CB01#	p157
			1.8pF	±0.05pF	GJM1555C1H1R8WB01#	p157
				±0.1pF	GJM1555C1H1R8BB01#	p157
				±0.25pF	GJM1555C1H1R8CB01#	p157
			1.9pF	±0.05pF	GJM1555C1H1R9WB01#	p157
				±0.1pF	GJM1555C1H1R9BB01#	p157
				±0.25pF	GJM1555C1H1R9CB01#	p157
			2.0pF	±0.05pF	GJM1555C1H2R0WB01#	p157
				±0.1pF	GJM1555C1H2R0BB01#	p157
				±0.25pF	GJM1555C1H2R0CB01#	p157
			2.1pF	±0.05pF	GJM1555C1H2R1WB01#	p157
			Part num	her#indi	cates the package specification	code

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 $[\]ensuremath{^{*:}}$ Refers to the page of the "Specifications and Test Methods".

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GJM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

(- 1.0 ~	0.5mm)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	50Vdc	COG	2.1pF	±0.1pF	GJM1555C1H2R1BB01#	p157
				±0.25pF	GJM1555C1H2R1CB01#	p157
			2.2pF	±0.05pF	GJM1555C1H2R2WB01#	p157
				±0.1pF	GJM1555C1H2R2BB01#	p157
				±0.25pF	GJM1555C1H2R2CB01#	p157
			2.3pF	±0.05pF	GJM1555C1H2R3WB01#	p157
				±0.1pF	GJM1555C1H2R3BB01#	p157
				±0.25pF	GJM1555C1H2R3CB01#	p157
			2.4pF	±0.05pF	GJM1555C1H2R4WB01#	p157
				±0.1pF	GJM1555C1H2R4BB01#	p157
				±0.25pF	GJM1555C1H2R4CB01#	p157
			2.5pF	±0.05pF	GJM1555C1H2R5WB01#	p157
			·	±0.1pF	GJM1555C1H2R5BB01#	p157
				-	GJM1555C1H2R5CB01#	p157
			2.6pF		GJM1555C1H2R6WB01#	i –
			2.00.	±0.1pF	GJM1555C1H2R6BB01#	p157
					GJM1555C1H2R6CB01#	p157
			2.7pF	-		
			2.7 pr	-	GJM1555C1H2R7WB01#	p157
				±0.1pF	GJM1555C1H2R7BB01#	p157
			2.0-5		GJM1555C1H2R7CB01#	p157
			2.8pF	-		p157
				±0.1pF	GJM1555C1H2R8BB01#	p157
					GJM1555C1H2R8CB01#	p157
			2.9pF	· ·		p157
				±0.1pF	GJM1555C1H2R9BB01#	p157
					GJM1555C1H2R9CB01#	p157
			3.0pF	±0.05pF	GJM1555C1H3R0WB01#	p157
				±0.1pF	GJM1555C1H3R0BB01#	p157
				±0.25pF	GJM1555C1H3R0CB01#	p157
			3.1pF	±0.05pF	GJM1555C1H3R1WB01#	p157
				±0.1pF	GJM1555C1H3R1BB01#	p157
				±0.25pF	GJM1555C1H3R1CB01#	p157
			3.2pF	±0.05pF	GJM1555C1H3R2WB01#	p157
				±0.1pF	GJM1555C1H3R2BB01#	p157
				±0.25pF	GJM1555C1H3R2CB01#	p157
			3.3pF	±0.05pF	GJM1555C1H3R3WB01#	p157
				±0.1pF	GJM1555C1H3R3BB01#	p157
				±0.25pF	GJM1555C1H3R3CB01#	p157
			3.4pF	±0.05pF	GJM1555C1H3R4WB01#	p157
				±0.1pF	GJM1555C1H3R4BB01#	p157
				±0.25pF	GJM1555C1H3R4CB01#	p157
			3.5pF	±0.05pF	GJM1555C1H3R5WB01#	p157
				±0.1pF	GJM1555C1H3R5BB01#	p157
						p157
			3.6pF	· ·		p157
				-		p157
				-		p157
			3.7pF		GJM1555C1H3R7WB01#	i —
			3.7 Pi	±0.03pF	GJM1555C1H3R7WB01#	_
				-		p157
			20-5	· ·	GJM1555C1H3R7CB01#	p157
			3.8pF	· ·		p157
				±0.1pF	GJM1555C1H3R8BB01#	p157
			2	· ·	GJM1555C1H3R8CB01#	p157
			3.9pF	±0.05pF	GJM1555C1H3R9WB01#	p157

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	50Vdc	COG	3.9pF	±0.1pF	GJM1555C1H3R9BB01#	p157
				-	GJM1555C1H3R9CB01#	p157
			4.0pF		GJM1555C1H4R0WB01#	p157
			•	±0.1pF	GJM1555C1H4R0BB01#	p157
				±0.25pF	GJM1555C1H4R0CB01#	p157
			4.1pF	±0.05pF	GJM1555C1H4R1WB01#	p157
				±0.1pF	GJM1555C1H4R1BB01#	p157
				±0.25pF	GJM1555C1H4R1CB01#	p157
			4.2pF	±0.05pF	GJM1555C1H4R2WB01#	p157
				±0.1pF	GJM1555C1H4R2BB01#	p157
				±0.25pF	GJM1555C1H4R2CB01#	p157
			4.3pF	±0.05pF	GJM1555C1H4R3WB01#	p157
				±0.1pF	GJM1555C1H4R3BB01#	p157
				±0.25pF	GJM1555C1H4R3CB01#	p157
			4.4pF	±0.05pF	GJM1555C1H4R4WB01#	p157
				±0.1pF	GJM1555C1H4R4BB01#	p157
				±0.25pF	GJM1555C1H4R4CB01#	p157
			4.5pF	±0.05pF	GJM1555C1H4R5WB01#	p157
				±0.1pF	GJM1555C1H4R5BB01#	p157
				±0.25pF	GJM1555C1H4R5CB01#	p157
			4.6pF	±0.05pF	GJM1555C1H4R6WB01#	p157
				±0.1pF	GJM1555C1H4R6BB01#	p157
				±0.25pF	GJM1555C1H4R6CB01#	p157
			4.7pF	±0.05pF	GJM1555C1H4R7WB01#	p157
				±0.1pF	GJM1555C1H4R7BB01#	p157
			40.5		GJM1555C1H4R7CB01#	p157
			4.8pF		GJM1555C1H4R8WB01#	p157
				±0.1pF	GJM1555C1H4R8BB01#	p157
			10-5	-	GJM1555C1H4R8CB01#	p157
			4.9pF		GJM1555C1H4R9WB01#	p157
				±0.1pF	GJM1555C1H4R9BB01# GJM1555C1H4R9CB01#	p157
			5.0pF			p157 p157
			э.орі	-	GJM1555C1H5R0BB01#	p157
					GJM1555C1H5R0CB01#	p157
			5.1pF	· ·	GJM1555C1H5R1WB01#	p157
			ор.	±0.1pF	GJM1555C1H5R1BB01#	p157
					GJM1555C1H5R1CB01#	p157
				±0.5pF	GJM1555C1H5R1DB01#	p157
			5.2pF	±0.05pF	GJM1555C1H5R2WB01#	p157
				±0.1pF	GJM1555C1H5R2BB01#	p157
				±0.25pF	GJM1555C1H5R2CB01#	p157
				±0.5pF	GJM1555C1H5R2DB01#	p157
			5.3pF	±0.05pF	GJM1555C1H5R3WB01#	p157
				±0.1pF	GJM1555C1H5R3BB01#	p157
				±0.25pF	GJM1555C1H5R3CB01#	p157
				±0.5pF	GJM1555C1H5R3DB01#	p157
			5.4pF	±0.05pF	GJM1555C1H5R4WB01#	p157
				±0.1pF	GJM1555C1H5R4BB01#	p157
				±0.25pF	GJM1555C1H5R4CB01#	p157
				±0.5pF	GJM1555C1H5R4DB01#	p157
			5.5pF	-	GJM1555C1H5R5WB01#	p157
				±0.1pF	GJM1555C1H5R5BB01#	p157
				±0.25pF	GJM1555C1H5R5CB01#	p157

(→ 1.0>	0.5mm،	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	50Vdc	COG	5.5pF	±0.5pF	GJM1555C1H5R5DB01#	p157
			5.6pF	±0.05pF	GJM1555C1H5R6WB01#	p157
				±0.1pF	GJM1555C1H5R6BB01#	p157
				±0.25pF	GJM1555C1H5R6CB01#	p157
				±0.5pF	GJM1555C1H5R6DB01#	p157
			5.7pF	±0.05pF	GJM1555C1H5R7WB01#	p157
				±0.1pF	GJM1555C1H5R7BB01#	p157
				±0.25pF	GJM1555C1H5R7CB01#	p157
				±0.5pF	GJM1555C1H5R7DB01#	p157
			5.8pF	±0.05pF	GJM1555C1H5R8WB01#	p157
				±0.1pF	GJM1555C1H5R8BB01#	p157
				±0.25pF	GJM1555C1H5R8CB01#	p157
				±0.5pF	GJM1555C1H5R8DB01#	p157
			5.9pF	±0.05pF	GJM1555C1H5R9WB01#	p157
				±0.1pF	GJM1555C1H5R9BB01#	p157
				±0.25pF	GJM1555C1H5R9CB01#	p157
				±0.5pF	GJM1555C1H5R9DB01#	p157
			6.0pF	±0.05pF	GJM1555C1H6R0WB01#	p157
				±0.1pF	GJM1555C1H6R0BB01#	p157
				±0.25pF	GJM1555C1H6R0CB01#	p157
				±0.5pF	GJM1555C1H6R0DB01#	p157
			6.1pF	±0.05pF	GJM1555C1H6R1WB01#	p157
				±0.1pF	GJM1555C1H6R1BB01#	p157
				±0.25pF	GJM1555C1H6R1CB01#	p157
				±0.5pF	GJM1555C1H6R1DB01#	p157
			6.2pF	±0.05pF		p157
				±0.1pF	GJM1555C1H6R2BB01#	p157
				±0.25pF	GJM1555C1H6R2CB01#	p157
			62.5	±0.5pF	GJM1555C1H6R2DB01#	p157
			6.3pF	±0.05pF		p157
				±0.1pF	GJM1555C1H6R3BB01#	p157
					GJM1555C1H6R3CB01#	p157
			6.4pF	±0.5pF	GJM1555C1H6R3DB01#	p157
			0.4pr	±0.05pF	GJM1555C1H6R4WB01# GJM1555C1H6R4BB01#	p157
				±0.1pF ±0.25pF	GJM1555C1H6R4CB01#	p157
					GJM1555C1H6R4DB01#	p157
			6.5pF	±0.5pF ±0.05pF	GJM1555C1H6R5WB01#	p157 p157
			5.5pi	±0.03pF	GJM1555C1H6R5BB01#	p157
					GJM1555C1H6R5CB01#	p157
				±0.25pF	GJM1555C1H6R5DB01#	p157
			6.6pF	±0.05pF		p157
				±0.1pF	GJM1555C1H6R6BB01#	p157
				±0.25pF	GJM1555C1H6R6CB01#	p157
				±0.5pF	GJM1555C1H6R6DB01#	p157
			6.7pF	±0.05pF	GJM1555C1H6R7WB01#	p157
				±0.1pF	GJM1555C1H6R7BB01#	p157
				-	GJM1555C1H6R7CB01#	p157
				±0.5pF	GJM1555C1H6R7DB01#	p157
			6.8pF	±0.05pF	GJM1555C1H6R8WB01#	p157
				±0.1pF	GJM1555C1H6R8BB01#	p157
				±0.25pF	GJM1555C1H6R8CB01#	p157
				±0.5pF	GJM1555C1H6R8DB01#	p157
			6.9pF	±0.05pF	GJM1555C1H6R9WB01#	p157
		c.,				

SOVID COG 6.9FF 2.0.1pF GJM1555C1H6R9BB01# p157 10.25pF GJM1555C1H6R9BB01# p157 10.25pF GJM1555C1H6R9DB01# p157 10.25pF GJM1555C1H7R0BB01# p157 10.25pF GJM1555C1H7R0BB01# p157 10.25pF GJM1555C1H7R0BB01# p157 10.25pF GJM1555C1H7R0BB01# p157 10.25pF GJM1555C1H7R1WB01# p157 10.25pF GJM1555C1H7R1WB01# p157 10.25pF GJM1555C1H7R1WB01# p157 10.25pF GJM1555C1H7R1BB01# p157 10.25p	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
10.5pF 10.05pF 10.05	0.55mm	50Vdc	COG	6.9pF	±0.1pF	GJM1555C1H6R9BB01#	p157
7.0pF					±0.25pF	GJM1555C1H6R9CB01#	p157
#0.1pF c0.25pF cJM1555C1H7ROBBO1# p157 c0.25pF cJM1555C1H7ROBBO1# p157 cd.05pF cJM1555C1H7RIDBO1# p157 cd.05pF cJM1555C1H7RI					±0.5pF	GJM1555C1H6R9DB01#	p157
±0.25pF GJM1555C1H7R0CB01# p157 ±0.5pF GJM155SC1H7R1BB01# p157 ±0.25pF GJM155SC1H7R1CB01# p157 ±0.25pF GJM155SC1H7R1CB01# p157 ±0.25pF GJM155SC1H7R1CB01# p157 ±0.25pF GJM155SC1H7R1CB01# p157 ±0.25pF GJM155SC1H7R2CB01# p157 ±0.25pF GJM155SC1H7R2CB01# p157 ±0.25pF GJM155SC1H7R2CB01# p157 ±0.25pF GJM155SC1H7R3CB01# p157 ±0.25pF GJM155SC1H7R4CB01# p157 ±0.25pF GJM155SC1H7R4CB01# p157 ±0.25pF GJM155SC1H7R4CB01# p157 ±0.25pF GJM155SC1H7R5CB01# p157 ±0.25pF GJM155SC1H7R5CB01# p157 ±0.25pF GJM155SC1H7R5CB01# p157 ±0.25pF GJM15SSC1H7R5CB01# p157 ±0.25pF GJM15SSC1H7R7CB01# p157 ±0.25pF GJM15SSC1H7R7CB01# p157 ±0.25pF GJM15SSC1H7R7CB01# p157 ±0.25pF GJM15SSC1H7R8CB01# p157 ±0.25pF GJM15SSC1H7R9CB01# p157 ±0.25pF GJM15SSC1H7R9CB01# p157 ±0.25pF GJM15SSC1H7R9CB01# p157 ±0.25pF GJM15SSC1H8RCBB01# p157 ±0.25				7.0pF	±0.05pF	GJM1555C1H7R0WB01#	p157
#0.5pF 2.005pF 2.005pF					±0.1pF	GJM1555C1H7R0BB01#	p157
7.1pf 10.05pf 10.1pf 10.					±0.25pF	GJM1555C1H7R0CB01#	p157
#0.1pF GJM1555C1H7R1BB01# p157					±0.5pF	GJM1555C1H7R0DB01#	p157
±0.25pF GJM1555C1H7R1CB01# p157				7.1pF	±0.05pF	GJM1555C1H7R1WB01#	p157
# ±0.5pF					±0.1pF	GJM1555C1H7R1BB01#	p157
7.2pF					±0.25pF	GJM1555C1H7R1CB01#	p157
#0.1pF GJM1555C1H7R2BB01# p157 #0.25pF GJM1555C1H7R2DB01# p157 #0.1pF GJM155SC1H7R3WB01# p157 #0.1pF GJM155SC1H7R3WB01# p157 #0.25pF GJM155SC1H7R3WB01# p157 #0.25pF GJM155SC1H7R3WB01# p157 #0.25pF GJM155SC1H7R3WB01# p157 #0.1pF GJM155SC1H7R4WB01# p157 #0.25pF GJM155SC1H7R4BB01# p157 #0.25pF GJM155SC1H7R4BB01# p157 #0.25pF GJM155SC1H7R4BB01# p157 #0.25pF GJM155SC1H7R5WB01# p157 #0.25pF GJM155SC1H7R6BB01# p157 #0.25pF GJM155SC1H7R6BB01# p157 #0.25pF GJM155SC1H7R7BB01# p157 #0.25pF GJM155SC1H7R7BB01# p157 #0.25pF GJM155SC1H7R8WB01# p157 #0.25pF GJM155SC1H7R9WB01# p157 #0.25pF GJM155SC1H7R9BB01# p157 #0.25pF GJM155SC1H8R0BB01# p157 #0.25pF GJM155SC1H8R1BB01# p157					±0.5pF	GJM1555C1H7R1DB01#	p157
±0.25pF GJM1555C1H7R2CB01# p157 7.3pF ±0.05pF GJM155SC1H7R3WB01# p157 ±0.1pF ±0.05pF GJM155SC1H7R3WB01# p157 ±0.5pF GJM155SC1H7R3WB01# p157 ±0.5pF GJM155SC1H7R3WB01# p157 ±0.1pF GJM155SC1H7R4WB01# p157 ±0.1pF GJM155SC1H7R4WB01# p157 ±0.5pF GJM155SC1H7R4BB01# p157 ±0.5pF GJM155SC1H7R4DB01# p157 ±0.5pF GJM155SC1H7R5WB01# p157 ±0.1pF GJM155SC1H7R5WB01# p157 ±0.1pF GJM155SC1H7R5WB01# p157 ±0.1pF GJM155SC1H7R5WB01# p157 ±0.5pF GJM155SC1H7R5WB01# p157 ±0.5pF GJM155SC1H7R5WB01# p157 ±0.5pF GJM155SC1H7R6WB01# p157 ±0.5pF GJM155SC1H7R7WB01# p157 ±0.5pF GJM155SC1H7R7WB01# p157 ±0.5pF GJM155SC1H7R7WB01# p157 ±0.5pF GJM155SC1H7R8WB01# p157 ±0.5pF GJM155SC1H7R8B01# p157 ±0.5pF GJM155SC1H7R8B01# p157 ±0.5pF GJM155SC1H7R9WB01# p157 ±0.5pF GJM155SC1H7R9WB01# p157 ±0.5pF GJM155SC1H7R9WB01# p157 ±0.5pF GJM155SC1H7R9BB01# p157 ±0.5pF GJM155SC1H7R9BB01# p157 ±0.5pF GJM155SC1H7R9BB01# p157 ±0.5pF GJM155SC1H8R0WB01# p157 ±0.5pF GJM155SC1H8R0BB01# p157				7.2pF	±0.05pF	GJM1555C1H7R2WB01#	p157
1.0.5pf 0.19755C1H7R2DB01# 0.157 0.15pf 0.15pf 0.1971 0.15pf					±0.1pF	GJM1555C1H7R2BB01#	p157
7.3pF ±0.05pF GJM1555C1H7R3WB01# p157 ±0.1pF GJM1555C1H7R3B01# p157 ±0.5pF GJM1555C1H7R3D01# p157 7.4pF ±0.05pF GJM1555C1H7R4WB01# p157 ±0.25pF GJM1555C1H7R4WB01# p157 ±0.25pF GJM1555C1H7R4WB01# p157 ±0.5pF GJM1555C1H7R4WB01# p157 ±0.5pF GJM1555C1H7R4WB01# p157 ±0.5pF GJM1555C1H7R5WB01# p157 ±0.1pF GJM1555C1H7R5WB01# p157 ±0.1pF GJM1555C1H7R5WB01# p157 ±0.1pF GJM1555C1H7R5WB01# p157 ±0.1pF GJM1555C1H7R6WB01# p157 ±0.1pF GJM1555C1H7R6WB01# p157 ±0.1pF GJM1555C1H7R6WB01# p157 ±0.1pF GJM1555C1H7R6WB01# p157 ±0.05pF GJM1555C1H7R7WB01# p157 ±0.05pF GJM1555C1H7R8WB01# p157 ±0.05pF GJM1555C1H7R8WB01# p157 ±0.05pF GJM1555C1H7R8WB01# p157 ±0.05pF GJM1555C1H7R9B01# p157 ±0.05pF GJM1555C1H7R9B01# p157 ±0.05pF GJM1555C1H7R9B01# p157 ±0.05pF GJM1555C1H7R9B01# p157 ±0.05pF GJM1555C1H7R9B001# p157 ±0.05pF GJM1555C1H7R0B001# p157					±0.25pF	GJM1555C1H7R2CB01#	p157
#0.1pF GJM1555C1H7R3B801# p157 p10.2pF GJM1555C1H7R3C801# p157 p10.2pF GJM1555C1H7R3C801# p157 p10.2pF GJM1555C1H7R4W801# p157 p10.2pF GJM1555C1H7R5W801# p157 p10.2pF GJM1555C1H7R5W801# p157 p10.2pF GJM1555C1H7R5W801# p157 p10.2pF GJM1555C1H7R5W801# p157 p10.2pF GJM1555C1H7R6W801# p157 p10.2pF GJM1555C1H7R7W801# p157 p10.2pF GJM1555C1H7R7W801# p157 p10.2pF GJM1555C1H7R8W801# p157 p10.2pF GJM1555C1H7R8W801# p157 p10.2pF GJM1555C1H7R8W801# p157 p10.2pF GJM1555C1H7R8W801# p157 p10.2pF GJM1555C1H7R9W801# p1					±0.5pF	GJM1555C1H7R2DB01#	p157
±0.25pF GJM1555C1H7R3CB01# p157 ±0.5pF GJM1555C1H7R3DB01# p157 7.4pF ±0.05pF GJM1555C1H7R4WB01# p157 ±0.1pF GJM1555C1H7R4B01# p157 ±0.25pF GJM1555C1H7R4DB01# p157 ±0.5pF GJM1555C1H7R4DB01# p157 ±0.5pF GJM1555C1H7R5DB01# p157 ±0.1pF GJM1555C1H7R5DB01# p157 ±0.25pF GJM1555C1H7R5DB01# p157 ±0.5pF GJM1555C1H7R5DB01# p157 ±0.1pF GJM1555C1H7R6DB01# p157 ±0.25pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R8DB01# p157 ±0.25pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157				7.3pF	±0.05pF	GJM1555C1H7R3WB01#	p157
# 0.5pF GJM1555C1H7R3DB01# p157 7.4pF					±0.1pF	GJM1555C1H7R3BB01#	p157
7.4pF					±0.25pF	GJM1555C1H7R3CB01#	p157
#0.1pF GJM1555C1H7R4B801# p157 #0.25pF GJM1555C1H7R4CB01# p157 #0.05pF GJM1555C1H7R5WB01# p157 #0.1pF GJM1555C1H7R5WB01# p157 #0.25pF GJM1555C1H7R5DB01# p157 #0.25pF GJM1555C1H7R5DB01# p157 #0.25pF GJM1555C1H7R5DB01# p157 #0.5pF GJM1555C1H7R5DB01# p157 #0.1pF GJM1555C1H7R6WB01# p157 #0.25pF GJM1555C1H7R6DB01# p157 #0.25pF GJM1555C1H7R6DB01# p157 #0.25pF GJM1555C1H7R6DB01# p157 #0.5pF GJM1555C1H7R6DB01# p157 #0.1pF GJM1555C1H7R7WB01# p157 #0.25pF GJM1555C1H7R7DB01# p157 #0.25pF GJM1555C1H7R7DB01# p157 #0.25pF GJM1555C1H7R8DB01# p157 #0.25pF GJM1555C1H7R8DB01# p157 #0.25pF GJM1555C1H7R8DB01# p157 #0.25pF GJM1555C1H7R9B01# p157 #0.25pF GJM1555C1H8R0B01# p157 #0.25pF GJM1555C1H8R1BB01# p157 #0.25pF GJM1555C1H8R2WB01# p157					±0.5pF	GJM1555C1H7R3DB01#	p157
±0.25pF GJM1555C1H7R4CB01# p157 ±0.5pF GJM1555C1H7R5WB01# p157 ±0.1pF GJM1555C1H7R5DB01# p157 ±0.25pF GJM1555C1H7R5DB01# p157 ±0.25pF GJM1555C1H7R5DB01# p157 ±0.5pF GJM1555C1H7R5DB01# p157 ±0.5pF GJM1555C1H7R6WB01# p157 ±0.1pF GJM1555C1H7R6DB01# p157 ±0.5pF GJM1555C1H7R6DB01# p157 ±0.5pF GJM1555C1H7R6DB01# p157 ±0.5pF GJM1555C1H7R6DB01# p157 ±0.5pF GJM1555C1H7R6DB01# p157 ±0.1pF GJM1555C1H7R7BB01# p157 ±0.5pF GJM1555C1H7R7BB01# p157 ±0.5pF GJM1555C1H7R7BB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R9B01# p157 ±0.5pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157				7.4pF	±0.05pF	GJM1555C1H7R4WB01#	p157
#0.5pF GJM1555C1H7R4DB01# p157 7.5pF ±0.05pF GJM1555C1H7R5WB01# p157 ±0.25pF GJM1555C1H7R5CB01# p157 ±0.25pF GJM1555C1H7R5CB01# p157 ±0.5pF GJM1555C1H7R5DB01# p157 ±0.05pF GJM1555C1H7R6WB01# p157 ±0.1pF GJM1555C1H7R6BB01# p157 ±0.25pF GJM1555C1H7R6BB01# p157 ±0.5pF GJM1555C1H7R6DB01# p157 ±0.5pF GJM1555C1H7R7WB01# p157 ±0.25pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R7DB01# p157 ±0.25pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R9BB01# p157 ±0.5pF GJM1555C1H8R0BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157					±0.1pF	GJM1555C1H7R4BB01#	p157
7.5pF ±0.05pF GJM1555C1H7RSWB01# p157					±0.25pF	GJM1555C1H7R4CB01#	p157
±0.1pF GJM1555C1H7R5BB01# p157 ±0.25pF GJM1555C1H7R5CB01# p157 ±0.5pF GJM1555C1H7R5CB01# p157 ±0.1pF GJM1555C1H7R6WB01# p157 ±0.1pF GJM1555C1H7R6BB01# p157 ±0.25pF GJM1555C1H7R6BB01# p157 ±0.5pF GJM1555C1H7R6DB01# p157 ±0.5pF GJM1555C1H7R7WB01# p157 ±0.25pF GJM1555C1H7R7WB01# p157 ±0.25pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R7DB01# p157 ±0.5pF GJM1555C1H7R7DB01# p157 ±0.5pF GJM1555C1H7R8WB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9DB01# p157 ±0.25pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157					±0.5pF	GJM1555C1H7R4DB01#	p157
#0.25pF GJM1555C1H7R5CB01# p157 #0.5pF GJM1555C1H7R5DB01# p157 #0.1pF GJM1555C1H7R6WB01# p157 #0.25pF GJM1555C1H7R6BB01# p157 #0.25pF GJM1555C1H7R6BB01# p157 #0.5pF GJM1555C1H7R6DB01# p157 #0.1pF GJM1555C1H7R6DB01# p157 #0.1pF GJM1555C1H7R7BB01# p157 #0.1pF GJM1555C1H7R7BB01# p157 #0.25pF GJM1555C1H7R7DB01# p157 #0.5pF GJM1555C1H7R7DB01# p157 #0.5pF GJM1555C1H7R8BB01# p157 #0.25pF GJM1555C1H7R8BB01# p157 #0.25pF GJM1555C1H7R8BB01# p157 #0.25pF GJM1555C1H7R8DB01# p157 #0.5pF GJM1555C1H7R9BB01# p157 #0.5pF GJM1555C1H7R9BB01# p157 #0.5pF GJM1555C1H7R9BB01# p157 #0.5pF GJM1555C1H7R9DB01# p157 #0.5pF GJM1555C1H8R0WB01# p157 #0.25pF GJM1555C1H8R0WB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R1BB01# p157 #0.5pF GJM1555C1H8R1BB01# p157				7.5pF	±0.05pF	GJM1555C1H7R5WB01#	p157
#0.5pF GJM1555C1H7R5DB01# p157 #0.05pF GJM1555C1H7R6WB01# p157 #0.25pF GJM1555C1H7R6BB01# p157 #0.25pF GJM1555C1H7R6BB01# p157 #0.5pF GJM1555C1H7R6BB01# p157 #0.5pF GJM1555C1H7R6BB01# p157 #0.1pF GJM1555C1H7R7WB01# p157 #0.25pF GJM1555C1H7R7BB01# p157 #0.5pF GJM1555C1H7R7BB01# p157 #0.5pF GJM1555C1H7R8WB01# p157 #0.25pF GJM1555C1H7R8WB01# p157 #0.25pF GJM1555C1H7R8BB01# p157 #0.25pF GJM1555C1H7R8BB01# p157 #0.25pF GJM1555C1H7R8BB01# p157 #0.5pF GJM1555C1H7R9WB01# p157 #0.5pF GJM1555C1H7R9BB01# p157 #0.5pF GJM1555C1H7R9BB01# p157 #0.5pF GJM1555C1H7R9BB01# p157 #0.5pF GJM1555C1H8R0WB01# p157 #0.25pF GJM1555C1H8R0WB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R1BB01# p157 #0.5pF GJM1555C1H8R1BB01# p157					±0.1pF	GJM1555C1H7R5BB01#	p157
7.6pF ±0.05pF GJM1555C1H7R6WB01# p157 ±0.1pF GJM1555C1H7R6BB01# p157 ±0.25pF GJM1555C1H7R6BB01# p157 ±0.5pF GJM1555C1H7R6DB01# p157 ±0.1pF GJM1555C1H7R7BB01# p157 ±0.1pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R7BB01# p157 ±0.5pF GJM1555C1H7R7BB01# p157 ±0.1pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R9BB01# p157 ±0.1pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157					±0.25pF	GJM1555C1H7R5CB01#	p157
±0.1pF GJM1555C1H7R6B801# p157 ±0.25pF GJM1555C1H7R6CB01# p157 ±0.5pF GJM1555C1H7R6DB01# p157 7.7pF ±0.05pF GJM1555C1H7R7BB01# p157 ±0.1pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R7BB01# p157 ±0.5pF GJM1555C1H7R7BB01# p157 ±0.5pF GJM1555C1H7R8BB01# p157 ±0.1pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8BB01# p157 ±0.5pF GJM1555C1H7R9BB01# p157 ±0.5pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0BB01# p157 ±0.5pF GJM1555C1H8R0BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157					±0.5pF	GJM1555C1H7R5DB01#	p157
#0.25pF GJM1555C1H7R6CB01# p157 #0.5pF GJM1555C1H7R6DB01# p157 #0.1pF GJM1555C1H7R7BB01# p157 #0.25pF GJM1555C1H7R7BB01# p157 #0.25pF GJM1555C1H7R7DB01# p157 #0.5pF GJM1555C1H7R7DB01# p157 #0.5pF GJM1555C1H7R8WB01# p157 #0.1pF GJM1555C1H7R8BB01# p157 #0.25pF GJM1555C1H7R8DB01# p157 #0.25pF GJM1555C1H7R8DB01# p157 #0.5pF GJM1555C1H7R8DB01# p157 #0.1pF GJM1555C1H7R9WB01# p157 #0.25pF GJM1555C1H7R9BB01# p157 #0.25pF GJM1555C1H7R9DB01# p157 #0.25pF GJM1555C1H7R9DB01# p157 #0.5pF GJM1555C1H7R9DB01# p157 #0.5pF GJM1555C1H8R0WB01# p157 #0.1pF GJM1555C1H8R0BB01# p157 #0.25pF GJM1555C1H8R0BB01# p157 #0.5pF GJM1555C1H8R0BB01# p157 #0.1pF GJM1555C1H8R1WB01# p157 #0.1pF GJM1555C1H8R1WB01# p157 #0.1pF GJM1555C1H8R1BB01# p157 #0.5pF GJM1555C1H8R1BB01# p157				7.6pF	±0.05pF	GJM1555C1H7R6WB01#	p157
#0.5pF GJM1555C1H7R6DB01# p157 7.7pF					±0.1pF	GJM1555C1H7R6BB01#	p157
7.7pF ±0.05pF GJM1555C1H7R7WB01# p157 ±0.1pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R7CB01# p157 ±0.5pF GJM1555C1H7R8WB01# p157 ±0.1pF GJM1555C1H7R8WB01# p157 ±0.1pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8CB01# p157 ±0.5pF GJM1555C1H7R8DB01# p157 ±0.1pF GJM1555C1H7R9WB01# p157 ±0.1pF GJM1555C1H7R9WB01# p157 ±0.1pF GJM1555C1H7R9CB01# p157 ±0.25pF GJM1555C1H7R9CB01# p157 ±0.5pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0BB01# p157 ±0.5pF GJM1555C1H8R0BB01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157					±0.25pF	GJM1555C1H7R6CB01#	p157
±0.1pF GJM1555C1H7R7BB01# p157 ±0.25pF GJM1555C1H7R7DB01# p157 ±0.5pF GJM1555C1H7R7DB01# p157 7.8pF ±0.05pF GJM1555C1H7R8BB01# p157 ±0.1pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8DB01# p157 ±0.5pF GJM1555C1H7R8DB01# p157 ±0.1pF GJM1555C1H7R9BB01# p157 ±0.1pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H8R0BB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157					±0.5pF	GJM1555C1H7R6DB01#	p157
#0.25pF GJM1555C1H7R7CB01# p157 #0.5pF GJM1555C1H7R7DB01# p157 7.8pF				7.7pF	±0.05pF	GJM1555C1H7R7WB01#	p157
#0.5pF GJM1555C1H7R7DB01# p157 7.8pF					±0.1pF	GJM1555C1H7R7BB01#	p157
7.8pF ±0.05pF GJM1555C1H7R8WB01# p157 ±0.1pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8CB01# p157 ±0.5pF GJM1555C1H7R9WB01# p157 ±0.1pF GJM1555C1H7R9WB01# p157 ±0.1pF GJM1555C1H7R9CB01# p157 ±0.25pF GJM1555C1H7R9CB01# p157 ±0.5pF GJM1555C1H7R9DB01# p157 ±0.1pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0CB01# p157 ±0.5pF GJM1555C1H8R0CB01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1CB01# p157					±0.25pF	GJM1555C1H7R7CB01#	p157
±0.1pF GJM1555C1H7R8BB01# p157 ±0.25pF GJM1555C1H7R8DB01# p157 ±0.5pF GJM1555C1H7R8DB01# p157 7.9pF ±0.05pF GJM1555C1H7R9BB01# p157 ±0.1pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H8R0BB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1BB01# p157					±0.5pF	GJM1555C1H7R7DB01#	p157
±0.25pF GJM1555C1H7R8CB01# p157 ±0.5pF GJM1555C1H7R8DB01# p157 7.9pF ±0.05pF GJM1555C1H7R9WB01# p157 ±0.1pF GJM1555C1H7R9CB01# p157 ±0.25pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H7R9DB01# p157 ±0.1pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157				7.8pF	±0.05pF	GJM1555C1H7R8WB01#	p157
±0.5pF GJM1555C1H7R8DB01# p157 7.9pF ±0.05pF GJM1555C1H7R9DB01# p157 ±0.1pF GJM1555C1H7R9DB01# p157 ±0.25pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157					±0.1pF	GJM1555C1H7R8BB01#	p157
7.9pF ±0.05pF GJM1555C1H7R9WB01# p157 ±0.1pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9CB01# p157 ±0.5pF GJM1555C1H7R9DB01# p157 ±0.5pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0CB01# p157 ±0.5pF GJM1555C1H8R0DB01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.1pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157					±0.25pF	GJM1555C1H7R8CB01#	p157
±0.1pF GJM1555C1H7R9BB01# p157 ±0.25pF GJM1555C1H7R9CB01# p157 ±0.5pF GJM1555C1H7R9DB01# p157 8.0pF ±0.05pF GJM1555C1H8R0BB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0BB01# p157 ±0.5pF GJM1555C1H8R0B01# p157 ±0.1pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157					±0.5pF	GJM1555C1H7R8DB01#	p157
±0.25pF GJM1555C1H7R9CB01# p157 ±0.5pF GJM1555C1H7R9DB01# p157 8.0pF ±0.05pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R0B01# p157 ±0.05pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2WB01# p157				7.9pF	±0.05pF	GJM1555C1H7R9WB01#	p157
±0.5pF GJM1555C1H7R9DB01# p157 8.0pF ±0.05pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0B01# p157 ±0.5pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.25pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2WB01# p157					±0.1pF	GJM1555C1H7R9BB01#	p157
8.0pF ±0.05pF GJM1555C1H8R0WB01# p157 ±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0CB01# p157 ±0.5pF GJM1555C1H8R0DB01# p157 ±0.1pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 ±0.5pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2WB01# p157					±0.25pF	GJM1555C1H7R9CB01#	p157
±0.1pF GJM1555C1H8R0BB01# p157 ±0.25pF GJM1555C1H8R0BB01# p157 ±0.5pF GJM1555C1H8R0BB01# p157 8.1pF ±0.05pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 8.2pF ±0.05pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2WB01# p157					±0.5pF	GJM1555C1H7R9DB01#	p157
±0.25pF GJM1555C1H8R0CB01# p157 ±0.5pF GJM1555C1H8R0DB01# p157 8.1pF ±0.05pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 8.2pF ±0.05pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2BB01# p157				8.0pF	±0.05pF	GJM1555C1H8R0WB01#	p157
±0.5pF GJM1555C1H8R0DB01# p157 8.1pF ±0.05pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 8.2pF ±0.05pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2BB01# p157					±0.1pF	GJM1555C1H8R0BB01#	p157
8.1pF ±0.05pF GJM1555C1H8R1WB01# p157 ±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 8.2pF ±0.05pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2BB01# p157					±0.25pF	GJM1555C1H8R0CB01#	p157
±0.1pF GJM1555C1H8R1BB01# p157 ±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 8.2pF ±0.05pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2BB01# p157					±0.5pF	GJM1555C1H8R0DB01#	p157
±0.25pF GJM1555C1H8R1CB01# p157 ±0.5pF GJM1555C1H8R1DB01# p157 8.2pF ±0.05pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2BB01# p157				8.1pF	±0.05pF	GJM1555C1H8R1WB01#	p157
±0.5pF GJM1555C1H8R1DB01# p157 8.2pF ±0.05pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2BB01# p157					±0.1pF	GJM1555C1H8R1BB01#	p157
8.2pF ±0.05pF GJM1555C1H8R2WB01# p157 ±0.1pF GJM1555C1H8R2BB01# p157					±0.25pF	GJM1555C1H8R1CB01#	p157
±0.1pF GJM1555C1H8R2BB01# p157					±0.5pF	GJM1555C1H8R1DB01#	p157
				8.2pF	±0.05pF	GJM1555C1H8R2WB01#	p157
±0.25pF GJM1555C1H8R2CB01# p157					±0.1pF	GJM1555C1H8R2BB01#	p157
					±0.25pF	GJM1555C1H8R2CB01#	p157

Part number # indicates the package specification code.

 $^{*\}mbox{:}$ Refers to the page of the "Specifications and Test Methods".

// GRI∾

GR3

GRJ //

GR4

MLD

GA3 GA3 GD GB

GA2

GA3 GF

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GJM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

/ 1.0	0.5mm	'/						
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*		
).55mm	50Vdc	COG	8.2pF	±0.5pF	GJM1555C1H8R2DB01#	p157		
			8.3pF	±0.05pF	GJM1555C1H8R3WB01#	p157		
				±0.1pF	GJM1555C1H8R3BB01#	p157		
				±0.25pF	GJM1555C1H8R3CB01#	p157		
			±0.5pF	GJM1555C1H8R3DB01#	p157			
		8.4pF	±0.05pF	GJM1555C1H8R4WB01#	p157			
				±0.1pF	GJM1555C1H8R4BB01#	p157		
				±0.25pF	GJM1555C1H8R4CB01#	p157		
				±0.5pF	GJM1555C1H8R4DB01#	p157		
			8.5pF		GJM1555C1H8R5WB01#	p157		
				±0.1pF	GJM1555C1H8R5BB01#	p157		
				-	GJM1555C1H8R5CB01#	p157		
				±0.5pF	GJM1555C1H8R5DB01#	p157		
			8.6pF	· ·				
			о.орг	-		p157		
				±0.1pF	GJM1555C1H8R6BB01#	p157		
				-	GJM1555C1H8R6CB01#	p157		
				±0.5pF	GJM1555C1H8R6DB01#	p157		
			8.7pF	-	GJM1555C1H8R7WB01#	i -		
				±0.1pF	GJM1555C1H8R7BB01#	p157		
				±0.25pF	GJM1555C1H8R7CB01#	p157		
				±0.5pF	GJM1555C1H8R7DB01#	p157		
			8.8pF	±0.05pF	GJM1555C1H8R8WB01#	p157		
				±0.1pF	GJM1555C1H8R8BB01#	p157		
				±0.25pF	GJM1555C1H8R8CB01#	p157		
				±0.5pF	GJM1555C1H8R8DB01#	p157		
			8.9pF	±0.05pF	GJM1555C1H8R9WB01#	p157		
				±0.1pF	GJM1555C1H8R9BB01#	p157		
				±0.25pF	GJM1555C1H8R9CB01#	p157		
						±0.5pF	GJM1555C1H8R9DB01#	p157
			9.0pF	±0.05pF	GJM1555C1H9R0WB01#	p157		
				±0.1pF	GJM1555C1H9R0BB01#	p157		
				±0.25pF	GJM1555C1H9R0CB01#	p157		
				±0.5pF	GJM1555C1H9R0DB01#	p157		
			9.1pF	±0.05pF	GJM1555C1H9R1WB01#	p157		
			·	±0.1pF	GJM1555C1H9R1BB01#	p157		
					GJM1555C1H9R1CB01#	p157		
				±0.5pF	GJM1555C1H9R1DB01#	p157		
			9.2pF	· ·		p157		
			J.2pi	±0.1pF	GJM1555C1H9R2BB01#	p157		
					GJM1555C1H9R2CB01#	p157		
				±0.25pF		-		
			0.2-5		GJM1555C1H9R2DB01#	p157		
			9.3pF		GJM1555C1H9R3WB01#			
				±0.1pF	GJM1555C1H9R3BB01#	p157		
				-	GJM1555C1H9R3CB01#	p157		
			±0.5pF	GJM1555C1H9R3DB01#	p157			
			9.4pF	-		p157		
				±0.1pF	GJM1555C1H9R4BB01#	p157		
				±0.25pF	GJM1555C1H9R4CB01#	p157		
				±0.5pF	GJM1555C1H9R4DB01#	p157		
		ı 1	9.5pF	±0.05pF	GJM1555C1H9R5WB01#	p157		
			J.5p.			_		
			э.эр.	±0.1pF	GJM1555C1H9R5BB01#	p157		
			3.3рі	-	GJM1555C1H9R5BB01# GJM1555C1H9R5CB01#			
			э.эрг	-		p157 p157 p157		

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
55mm	50Vdc	COG	9.6pF	±0.1pF	GJM1555C1H9R6BB01#	p157
				±0.25pF	GJM1555C1H9R6CB01#	p157
				±0.5pF	GJM1555C1H9R6DB01#	p157
			9.7pF	±0.05pF	GJM1555C1H9R7WB01#	p157
				±0.1pF	GJM1555C1H9R7BB01#	p157
				±0.25pF	GJM1555C1H9R7CB01#	p157
				±0.5pF	GJM1555C1H9R7DB01#	p157
			9.8pF	±0.05pF	GJM1555C1H9R8WB01#	p157
				±0.1pF	GJM1555C1H9R8BB01#	p157
				±0.25pF	GJM1555C1H9R8CB01#	p157
				±0.5pF	GJM1555C1H9R8DB01#	p157
			9.9pF	±0.05pF	GJM1555C1H9R9WB01#	p157
				±0.1pF	GJM1555C1H9R9BB01#	p157
				±0.25pF	GJM1555C1H9R9CB01#	p157
				±0.5pF	GJM1555C1H9R9DB01#	p157
			10pF	±2%	GJM1555C1H100GB01#	p157
				±5%	GJM1555C1H100JB01#	p157
			11pF	±2%	GJM1555C1H110GB01#	p157
				±5%	GJM1555C1H110JB01#	p157
			12pF	±2%	GJM1555C1H120GB01#	p157
				±5%	GJM1555C1H120JB01#	p157
			13pF	±2%	GJM1555C1H130GB01#	p157
				±5%	GJM1555C1H130JB01#	p157
			15pF	±2%	GJM1555C1H150GB01#	p157
				±5%	GJM1555C1H150JB01#	p157
			16pF	±2%	GJM1555C1H160GB01#	p157
				±5%	GJM1555C1H160JB01#	p157
			18pF	±2%	GJM1555C1H180GB01# GJM1555C1H180JB01#	p157
			20-5	±5%		p157
			20pF	±2% ±5%	GJM1555C1H200GB01# GJM1555C1H200JB01#	p157 p157
			22pF	±1%	GJM1555C1H220FB01#	p157
			229.	±2%	GJM1555C1H220GB01#	p157
				±5%	GJM1555C1H220JB01#	p157
			24pF	±1%	GJM1555C1H240FB01#	p157
				±2%	GJM1555C1H240GB01#	p157
				±5%	GJM1555C1H240JB01#	p157
			27pF	±1%	GJM1555C1H270FB01#	p157
			·	±2%	GJM1555C1H270GB01#	p157
				±5%	GJM1555C1H270JB01#	p157
			30pF	±1%	GJM1555C1H300FB01#	p157
				±2%	GJM1555C1H300GB01#	p157
				±5%	GJM1555C1H300JB01#	p157
			33pF	±1%	GJM1555C1H330FB01#	p157
				±2%	GJM1555C1H330GB01#	p157
				±5%	GJM1555C1H330JB01#	p157
			36pF	±1%	GJM1555C1H360FB01#	p157
				±2%	GJM1555C1H360GB01#	p157
				±5%	GJM1555C1H360JB01#	p157
			39pF	±1%	GJM1555C1H390FB01#	p157
				±2%	GJM1555C1H390GB01#	p157
				±5%	GJM1555C1H390JB01#	p157
			43pF	±1%	GJM1555C1H430FB01#	p157
				±2%	GJM1555C1H430GB01#	p157

Total Part Number P*	(→ 1.0×0.5mm)							
47pF	•			Cap.	Tol.	Part Number	p*	
22% GJM1555C1H470B01# p157	0.55mm	50Vdc	COG	43pF	±5%	GJM1555C1H430JB01#	p157	
15% GJM1555C1H470JB01# p157				47pF	±1%	GJM1555C1H470FB01#	p157	
CK					±2%	GJM1555C1H470GB01#	p157	
#0.1pF GJM1554C1HR20B01# p157 c0.3pF c0.05pF GJM1554C1HR20B01# p157 c0.05pF cJM1554C1HR20B01# p157 c0.05pF cJM1554C1HR20B01# p157 c0.05pF cJM1554C1HR20B01# p157 c0.05pF cJM1554C1HR30B01# p157 c0.					±5%	GJM1555C1H470JB01#	p157	
0.20pF			СК	0.10pF	±0.05pF	GJM1554C1HR10WB01#	p157	
#0.1pF GJM1554C1HR20BB01# p157					±0.1pF	GJM1554C1HR10BB01#	p157	
0.30pf				0.20pF	±0.05pF	GJM1554C1HR20WB01#	p157	
#0.1pF GJM1554C1HR30BB01# p157 v1.1pF v1.0pF GJM1554C1HR40WB01# p157 v1.1pF v1.0pF v1.0pF GJM1554C1HR50BB01# p157 v1.0pF v1.0pF GJM1554C1HR50BB01# p157 v1.0pF v1.0pF GJM1554C1HR50BB01# p157 v1.0pF GJM1554C1HR0BB01# p157 v1.0pF GJM1554C1HR0BB01# p157 v1.0pF GJM1554C1HR10BB01# p157 v1.0pF GJM1554C1HR10BB01# p157 v1.0pF GJM1554C1HR2BB01# p157 v1.0pF GJM1554C1HR2BB01# p157 v1.0pF GJM1554C1HR3BB01# p157 v1.0pF GJM1554C1HR5BB01# p157 v1.0pF GJM1554C1HR7BB01# p157 v1.0pF GJM1554C1HR8B001# p157 v1.0					±0.1pF	GJM1554C1HR20BB01#	p157	
0.40pf				0.30pF	±0.05pF	GJM1554C1HR30WB01#	p157	
#0.1pF CJM1554C1HR4OBB01# p157 c0.1pF c0.0pF c0					±0.1pF	GJM1554C1HR30BB01#	p157	
0.50pf				0.40pF	±0.05pF	GJM1554C1HR40WB01#	p157	
±0.1pF cJ.05pF cJ.05p					±0.1pF	GJM1554C1HR40BB01#	p157	
0.60pF ±0.05pF dJM1554C1HR60WB01# p157				0.50pF	±0.05pF	GJM1554C1HR50WB01#	p157	
±0.1pF					±0.1pF	GJM1554C1HR50BB01#	p157	
0.70pF				0.60pF	±0.05pF	GJM1554C1HR60WB01#	p157	
±0.1pF dJM1554C1HR70B801# p157 ±0.1pF dJM1554C1HR80WB01# p157 ±0.1pF dJM1554C1HR80B801# p157 ±0.1pF dJM1554C1HR90B801# p157 ±0.1pF dJM1554C1HR90B801# p157 ±0.1pF dJM1554C1HR90B801# p157 ±0.1pF dJM1554C1H1R0B801# p157 ±0.2pF dJM1554C1H1R0B801# p157 ±0.2pF dJM1554C1H1R0B801# p157 ±0.2pF dJM1554C1H1R0B801# p157 ±0.2pF dJM1554C1H1R1B801# p157 ±0.2pF dJM1554C1H1R1B801# p157 ±0.2pF dJM1554C1H1R1B801# p157 ±0.2pF dJM1554C1H1R2B801# p157 ±0.2pF dJM1554C1H1R2B801# p157 ±0.2pF dJM1554C1H1R3B801# p157 ±0.2pF dJM1554C1H1R3B801# p157 ±0.2pF dJM1554C1H1R3B801# p157 ±0.2pF dJM1554C1H1R3B801# p157 ±0.2pF dJM1554C1H1R4B801# p157 ±0.2pF dJM1554C1H1R4B801# p157 ±0.2pF dJM1554C1H1R4B801# p157 ±0.2pF dJM1554C1H1R5B801# p157 ±0.2pF dJM1554C1H1R5B801# p157 ±0.2pF dJM1554C1H1R5B801# p157 ±0.2pp dJM1554C1H1R6B801# p157 ±0.2pp dJM1554C1H1R6B801# p157 ±0.1pF dJM1554C1H1R6B801# p157 ±0.1pF dJM1554C1H1R6B801# p157 ±0.1pF dJM1554C1H1R6B801# p157 ±0.1pF dJM1554C1H1R7B801# p157 ±0.1pF dJM1554C1H1R8B801# p157 ±0.2pp dJM1554C1H1R9B801# p157					±0.1pF	GJM1554C1HR60BB01#	p157	
0.80pF ±0.05pF dJM1554C1HR80WB01# p157				0.70pF	±0.05pF	GJM1554C1HR70WB01#	p157	
#0.1pF					±0.1pF	GJM1554C1HR70BB01#	p157	
0.90pF ±0.05pF dJM1554C1HR90WB01# p157 ±0.1pF dJM1554C1H1R0WB01# p157 ±0.1pF dJM1554C1H1R0BB01# p157 ±0.25pF dJM1554C1H1R0BB01# p157 ±0.25pF dJM1554C1H1R1BB01# p157 ±0.25pF dJM1554C1H1R1BB01# p157 ±0.25pF dJM1554C1H1R1BB01# p157 ±0.25pF dJM1554C1H1R2BB01# p157 ±0.1pF dJM1554C1H1R2BB01# p157 ±0.1pF dJM1554C1H1R2BB01# p157 ±0.1pF dJM1554C1H1R2BB01# p157 ±0.1pF dJM1554C1H1R3BB01# p157 ±0.1pF dJM1554C1H1R3BB01# p157 ±0.25pF dJM1554C1H1R3BB01# p157 ±0.25pF dJM1554C1H1R3BB01# p157 ±0.25pF dJM1554C1H1R4BB01# p157 ±0.25pF dJM1554C1H1R4BB01# p157 ±0.25pF dJM1554C1H1R4BB01# p157 ±0.05pF dJM1554C1H1R5BB01# p157 ±0.25pF dJM1554C1H1R5BB01# p157 ±0.25pF dJM1554C1H1R5BB01# p157 ±0.25pF dJM1554C1H1R6BB01# p157 ±0.25pF dJM1554C1H1R7BB01# p157 ±0.25pF dJM1554C1H1R6BB01# p157 ±0.25pF dJM1554C1H1R6BB01# p157 ±0.25pF dJM1554C1H1R8BB01# p157 ±0.25pF dJM1554C1H1R9BB01# p157				0.80pF	±0.05pF	GJM1554C1HR80WB01#	p157	
±0.1pF GJM1554C1HR90BB01# p157 ±0.05pF GJM1554C1H1R0WB01# p157 ±0.25pF GJM1554C1H1R1WB01# p157 ±0.05pF GJM1554C1H1R1BB01# p157 ±0.05pF GJM1554C1H1R1BB01# p157 ±0.25pF GJM1554C1H1R1BB01# p157 ±0.05pF GJM1554C1H1R1BB01# p157 ±0.1pF GJM1554C1H1R2WB01# p157 ±0.1pF GJM1554C1H1R2WB01# p157 ±0.1pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R3BB01# p157 ±0.1pF GJM1554C1H1R3BB01# p157 ±0.1pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R4WB01# p157 ±0.1pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R6WB01# p157 ±0.25pF GJM1554C1H1R6WB01# p157 ±0.25pF GJM1554C1H1R6WB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157					±0.1pF	GJM1554C1HR80BB01#	p157	
1.0pF ±0.05pF GJM1554C1H1R0WB01# p157 ±0.1pF GJM1554C1H1R1WB01# p157 ±0.1pF GJM1554C1H1R1WB01# p157 ±0.1pF GJM1554C1H1R1B01# p157 ±0.25pF GJM1554C1H1R1B01# p157 ±0.25pF GJM1554C1H1R2WB01# p157 ±0.25pF GJM1554C1H1R2WB01# p157 ±0.25pF GJM1554C1H1R2WB01# p157 ±0.25pF GJM1554C1H1R2WB01# p157 ±0.25pF GJM1554C1H1R3WB01# p157 ±0.25pF GJM1554C1H1R3WB01# p157 ±0.1pF GJM1554C1H1R3WB01# p157 ±0.25pF GJM1554C1H1R3WB01# p157 ±0.25pF GJM1554C1H1R4WB01# p157 ±0.25pF GJM1554C1H1R4WB01# p157 ±0.25pF GJM1554C1H1R4WB01# p157 ±0.25pF GJM1554C1H1R5WB01# p157 ±0.25pF GJM1554C1H1R5WB01# p157 ±0.25pF GJM1554C1H1R6WB01# p157 ±0.25pF GJM1554C1H1R6WB01# p157 ±0.25pF GJM1554C1H1R6WB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.25pF GJM1554C1H1R6WB01# p157 ±0.25pF GJM1554C1H1R6WB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157				0.90pF	±0.05pF	GJM1554C1HR90WB01#	p157	
±0.1pF GJM1554C1H1R0BB01# p157 ±0.25pF GJM1554C1H1R1BB01# p157 ±0.1pF GJM1554C1H1R1BB01# p157 ±0.25pF GJM1554C1H1R1BB01# p157 ±0.25pF GJM1554C1H1R1BB01# p157 ±0.25pF GJM1554C1H1R2BB01# p157 ±0.1pF GJM1554C1H1R2BB01# p157 ±0.1pF GJM1554C1H1R2BB01# p157 ±0.25pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R4BB01# p157 ±0.1pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157					±0.1pF	GJM1554C1HR90BB01#	p157	
### 10.25pF GJM1554C1H1R0CB01# p157 ### 20.05pF GJM1554C1H1R1WB01# p157 ### 20.1pF GJM1554C1H1R1BB01# p157 ### 20.25pF GJM1554C1H1R1BB01# p157 ### 20.25pF GJM1554C1H1R2WB01# p157 ### 20.25pF GJM1554C1H1R2WB01# p157 ### 20.25pF GJM1554C1H1R2WB01# p157 ### 20.25pF GJM1554C1H1R3WB01# p157 ### 20.05pF GJM1554C1H1R3WB01# p157 ### 20.05pF GJM1554C1H1R3WB01# p157 ### 20.05pF GJM1554C1H1R3WB01# p157 ### 20.05pF GJM1554C1H1R4WB01# p157 ### 20.05pF GJM1554C1H1R4WB01# p157 ### 20.05pF GJM1554C1H1R5WB01# p157 ### 20.05pF GJM1554C1H1R5WB01# p157 ### 20.05pF GJM1554C1H1R5WB01# p157 ### 20.05pF GJM1554C1H1R6WB01# p157 ### 20.05pF GJM1554C1H1R6WB01# p157 ### 20.05pF GJM1554C1H1R6WB01# p157 ### 20.05pF GJM1554C1H1R7WB01# p157 ### 20.05pF GJM1554C1H1R7WB01# p157 ### 20.05pF GJM1554C1H1R7WB01# p157 ### 20.05pF GJM1554C1H1R8WB01# p157 ### 20.05pF GJM1554C1H1R9WB01# p157 ### 20.05pF GJM1554C1H1R9WB01# p157 ### 20.05pF GJM1554C1H1R9WB01# p157 #### 20.05pF GJM1554C1H1R9WB01# p157 ####################################				1.0pF	±0.05pF	GJM1554C1H1R0WB01#	p157	
1.1pF					±0.1pF	GJM1554C1H1R0BB01#	p157	
±0.1pF GJM1554C1H1R1BB01# p157 ±0.25pF GJM1554C1H1R1CB01# p157 ±0.1pF GJM1554C1H1R2BB01# p157 ±0.25pF GJM1554C1H1R2BB01# p157 ±0.25pF GJM1554C1H1R2BB01# p157 ±0.25pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R3BB01# p157 ±0.25pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R5BB01# p157 ±0.1pF GJM1554C1H1R5BB01# p157 ±0.1pF GJM1554C1H1R5BB01# p157 ±0.1pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157					±0.25pF	GJM1554C1H1R0CB01#	p157	
#0.25pF GJM1554C1H1R1CB01# p157 #0.1pF GJM1554C1H1R2WB01# p157 #0.25pF GJM1554C1H1R2WB01# p157 #0.25pF GJM1554C1H1R2WB01# p157 #0.25pF GJM1554C1H1R3WB01# p157 #0.1pF GJM1554C1H1R3WB01# p157 #0.25pF GJM1554C1H1R3WB01# p157 #0.25pF GJM1554C1H1R3WB01# p157 #0.25pF GJM1554C1H1R4WB01# p157 #0.25pF GJM1554C1H1R4WB01# p157 #0.25pF GJM1554C1H1R4WB01# p157 #0.25pF GJM1554C1H1R5WB01# p157 #0.25pF GJM1554C1H1R5WB01# p157 #0.25pF GJM1554C1H1R5WB01# p157 #0.25pF GJM1554C1H1R5WB01# p157 #0.25pF GJM1554C1H1R6WB01# p157 #0.25pF GJM1554C1H1R6WB01# p157 #0.25pF GJM1554C1H1R6WB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R8WB01# p157 #0.25pF GJM1554C1H1R9WB01# p157				1.1pF	±0.05pF	GJM1554C1H1R1WB01#	p157	
1.2pF ±0.05pF GJM1554C1H1R2WB01# p157 ±0.1pF GJM1554C1H1R2BB01# p157 ±0.25pF GJM1554C1H1R3WB01# p157 ±0.1pF GJM1554C1H1R3WB01# p157 ±0.25pF GJM1554C1H1R3WB01# p157 ±0.25pF GJM1554C1H1R3WB01# p157 ±0.1pF GJM1554C1H1R4WB01# p157 ±0.1pF GJM1554C1H1R4WB01# p157 ±0.25pF GJM1554C1H1R4WB01# p157 ±0.25pF GJM1554C1H1R5WB01# p157 ±0.25pF GJM1554C1H1R5WB01# p157 ±0.25pF GJM1554C1H1R5WB01# p157 ±0.25pF GJM1554C1H1R5WB01# p157 ±0.05pF GJM1554C1H1R6WB01# p157 ±0.05pF GJM1554C1H1R6WB01# p157 ±0.05pF GJM1554C1H1R6WB01# p157 ±0.05pF GJM1554C1H1R7WB01# p157 ±0.05pF GJM1554C1H1R7WB01# p157 ±0.05pF GJM1554C1H1R7WB01# p157 ±0.05pF GJM1554C1H1R8WB01# p157 ±0.05pF GJM1554C1H1R9WB01# p157					±0.1pF	GJM1554C1H1R1BB01#	p157	
#0.1pF GJM1554C1H1R2BB01# p157 #0.25pF GJM1554C1H1R3WB01# p157 #0.1pF GJM1554C1H1R3WB01# p157 #0.25pF GJM1554C1H1R3WB01# p157 #0.25pF GJM1554C1H1R3WB01# p157 #0.1pF GJM1554C1H1R4WB01# p157 #0.1pF GJM1554C1H1R4WB01# p157 #0.25pF GJM1554C1H1R4WB01# p157 #0.25pF GJM1554C1H1R5WB01# p157 #0.25pF GJM1554C1H1R5WB01# p157 #0.1pF GJM1554C1H1R5WB01# p157 #0.25pF GJM1554C1H1R5WB01# p157 #0.25pF GJM1554C1H1R6WB01# p157 #0.1pF GJM1554C1H1R6WB01# p157 #0.25pF GJM1554C1H1R6WB01# p157 #0.25pF GJM1554C1H1R6CB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R8WB01# p157 #0.25pF GJM1554C1H1R8WB01# p157 #0.25pF GJM1554C1H1R8WB01# p157 #0.25pF GJM1554C1H1R8WB01# p157 #0.25pF GJM1554C1H1R8CB01# p157 #0.25pF GJM1554C1H1R8CB01# p157 #0.25pF GJM1554C1H1R9WB01# p157 #0.25pF GJM1554C1H1R9WB01# p157 #0.25pF GJM1554C1H1R9WB01# p157 #0.25pF GJM1554C1H1R9BB01# p157					±0.25pF	GJM1554C1H1R1CB01#	p157	
#0.25pF GJM1554C1H1R2CB01# p157 #0.1pF GJM1554C1H1R3WB01# p157 #0.25pF GJM1554C1H1R3BB01# p157 #0.25pF GJM1554C1H1R3BB01# p157 #0.1pF GJM1554C1H1R4WB01# p157 #0.25pF GJM1554C1H1R4WB01# p157 #0.25pF GJM1554C1H1R4CB01# p157 #0.25pF GJM1554C1H1R5WB01# p157 #0.1pF GJM1554C1H1R5WB01# p157 #0.25pF GJM1554C1H1R5CB01# p157 #0.25pF GJM1554C1H1R6WB01# p157 #0.25pF GJM1554C1H1R6WB01# p157 #0.25pF GJM1554C1H1R6BB01# p157 #0.25pF GJM1554C1H1R6BB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R7WB01# p157 #0.25pF GJM1554C1H1R8WB01# p157 #0.25pF GJM1554C1H1R8WB01# p157 #0.25pF GJM1554C1H1R8CB01# p157 #0.25pF GJM1554C1H1R8CB01# p157 #0.25pF GJM1554C1H1R8CB01# p157 #0.25pF GJM1554C1H1R9WB01# p157 #0.25pF GJM1554C1H1R9WB01# p157 #0.25pF GJM1554C1H1R9WB01# p157 #0.25pF GJM1554C1H1R9WB01# p157 #0.25pF GJM1554C1H1R9BB01# p157				1.2pF	±0.05pF	GJM1554C1H1R2WB01#	p157	
1.3pF ±0.05pF GJM1554C1H1R3WB01# p157 ±0.1pF GJM1554C1H1R3CB01# p157 ±0.25pF GJM1554C1H1R4WB01# p157 ±0.05pF GJM1554C1H1R4WB01# p157 ±0.1pF GJM1554C1H1R4CB01# p157 ±0.25pF GJM1554C1H1R4CB01# p157 ±0.25pF GJM1554C1H1R5CB01# p157 ±0.1pF GJM1554C1H1R5CB01# p157 ±0.25pF GJM1554C1H1R5CB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.05pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 ±0.05pF GJM1554C1H1R7CB01# p157 ±0.1pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157					±0.1pF	GJM1554C1H1R2BB01#	p157	
#0.1pF GJM1554C1H1R3BB01# p157 #0.25pF GJM1554C1H1R3CB01# p157 1.4pF					±0.25pF	GJM1554C1H1R2CB01#	p157	
±0.25pF GJM1554C1H1R3CB01# p157 ±0.05pF GJM1554C1H1R4WB01# p157 ±0.1pF GJM1554C1H1R4CB01# p157 ±0.25pF GJM1554C1H1R5WB01# p157 ±0.1pF GJM1554C1H1R5WB01# p157 ±0.1pF GJM1554C1H1R5CB01# p157 ±0.25pF GJM1554C1H1R5CB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.1pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.05pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157				1.3pF	±0.05pF	GJM1554C1H1R3WB01#	p157	
1.4pF ±0.05pF GJM1554C1H1R4WB01# p157 ±0.1pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R4CB01# p157 1.5pF ±0.05pF GJM1554C1H1R5WB01# p157 ±0.1pF GJM1554C1H1R5CB01# p157 1.6pF ±0.05pF GJM1554C1H1R5CB01# p157 ±0.1pF GJM1554C1H1R6WB01# p157 ±0.1pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.05pF GJM1554C1H1R7WB01# p157 ±0.05pF GJM1554C1H1R7BB01# p157 ±0.05pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157					±0.1pF	GJM1554C1H1R3BB01#	p157	
±0.1pF GJM1554C1H1R4BB01# p157 ±0.25pF GJM1554C1H1R4CB01# p157 1.5pF ±0.05pF GJM1554C1H1R5WB01# p157 ±0.25pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R5CB01# p157 ±0.05pF GJM1554C1H1R6WB01# p157 ±0.1pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8BB01# p157 ±0.1pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157 ±0.05pF GJM1554C1H1R9BB01# p157 ±0.05pF GJM1554C1H1R9BB01# p157					±0.25pF	GJM1554C1H1R3CB01#	p157	
±0.25pF GJM1554C1H1R4CB01# p157 1.5pF ±0.05pF GJM1554C1H1R5WB01# p157 ±0.1pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R5CB01# p157 ±0.05pF GJM1554C1H1R6WB01# p157 ±0.1pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.05pF GJM1554C1H1R9CB01# p157				1.4pF	±0.05pF	GJM1554C1H1R4WB01#	p157	
1.5pF ±0.05pF GJM1554C1H1R5WB01# p157 ±0.1pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R5CB01# p157 1.6pF ±0.05pF GJM1554C1H1R6WB01# p157 ±0.1pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.25pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.05pF GJM1554C1H1R9CB01# p157					±0.1pF	GJM1554C1H1R4BB01#	p157	
±0.1pF GJM1554C1H1R5BB01# p157 ±0.25pF GJM1554C1H1R5CB01# p157 1.6pF ±0.05pF GJM1554C1H1R6WB01# p157 ±0.1pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.05pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8WB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.05pF GJM1554C1H1R9BB01# p157 ±0.05pF GJM1554C1H1R9CB01# p157					±0.25pF	GJM1554C1H1R4CB01#	p157	
±0.25pF GJM1554C1H1R5CB01# p157 1.6pF ±0.05pF GJM1554C1H1R6WB01# p157 ±0.1pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.05pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 ±0.25pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157				1.5pF	±0.05pF	GJM1554C1H1R5WB01#	p157	
1.6pF ±0.05pF GJM1554C1H1R6WB01# p157 ±0.1pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 ±0.05pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 ±0.05pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.05pF GJM1554C1H1R9WB01# p157 ±0.05pF GJM1554C1H1R9BB01# p157 ±0.05pF GJM1554C1H1R9CB01# p157 ±0.05pF GJM1554C1H1R9CB01# p157 ±0.05pF GJM1554C1H1R9CB01# p157					±0.1pF	GJM1554C1H1R5BB01#	p157	
±0.1pF GJM1554C1H1R6BB01# p157 ±0.25pF GJM1554C1H1R6CB01# p157 1.7pF ±0.05pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 1.8pF ±0.05pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.25pF GJM1554C1H1R9WB01# p157 ±0.05pF GJM1554C1H1R9BB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157					±0.25pF	GJM1554C1H1R5CB01#	p157	
±0.25pF GJM1554C1H1R6CB01# p157 1.7pF ±0.05pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 1.8pF ±0.05pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 ±0.05pF GJM1554C1H1R9WB01# p157 ±0.05pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157				1.6pF	±0.05pF	GJM1554C1H1R6WB01#	p157	
1.7pF ±0.05pF GJM1554C1H1R7WB01# p157 ±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 1.8pF ±0.05pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 1.9pF ±0.05pF GJM1554C1H1R9WB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.05pF GJM1554C1H1R9CB01# p157					±0.1pF	GJM1554C1H1R6BB01#	p157	
±0.1pF GJM1554C1H1R7BB01# p157 ±0.25pF GJM1554C1H1R7CB01# p157 1.8pF ±0.05pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 1.9pF ±0.05pF GJM1554C1H1R9WB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157					±0.25pF	GJM1554C1H1R6CB01#	p157	
±0.25pF GJM1554C1H1R7CB01# p157 1.8pF ±0.05pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 1.9pF ±0.05pF GJM1554C1H1R9WB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157				1.7pF	±0.05pF	GJM1554C1H1R7WB01#	p157	
1.8pF ±0.05pF GJM1554C1H1R8WB01# p157 ±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 1.9pF ±0.05pF GJM1554C1H1R9WB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 2.0pF ±0.05pF GJM1554C1H2R0WB01# p157					±0.1pF	GJM1554C1H1R7BB01#	p157	
±0.1pF GJM1554C1H1R8BB01# p157 ±0.25pF GJM1554C1H1R8CB01# p157 1.9pF ±0.05pF GJM1554C1H1R9WB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 2.0pF ±0.05pF GJM1554C1H2R0WB01# p157					±0.25pF	GJM1554C1H1R7CB01#	p157	
±0.25pF GJM1554C1H1R8CB01# p157 1.9pF ±0.05pF GJM1554C1H1R9WB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 2.0pF ±0.05pF GJM1554C1H2R0WB01# p157				1.8pF	±0.05pF	GJM1554C1H1R8WB01#	p157	
1.9pF ±0.05pF GJM1554C1H1R9WB01# p157 ±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 2.0pF ±0.05pF GJM1554C1H2R0WB01# p157					±0.1pF	GJM1554C1H1R8BB01#	p157	
±0.1pF GJM1554C1H1R9BB01# p157 ±0.25pF GJM1554C1H1R9CB01# p157 2.0pF ±0.05pF GJM1554C1H2R0WB01# p157					±0.25pF	GJM1554C1H1R8CB01#	p157	
±0.25pF GJM1554C1H1R9CB01# p157 2.0pF ±0.05pF GJM1554C1H2R0WB01# p157				1.9pF	±0.05pF	GJM1554C1H1R9WB01#	p157	
2.0pF ±0.05pF GJM1554C1H2R0WB01# p157					±0.1pF	GJM1554C1H1R9BB01#	p157	
					±0.25pF	GJM1554C1H1R9CB01#	p157	
±0.1pF GJM1554C1H2R0BB01# p157				2.0pF	±0.05pF	GJM1554C1H2R0WB01#	p157	
					±0.1pF	GJM1554C1H2R0BB01#	p157	

SOVID CK 2.0pF 0.05pF 0.0m1553C1142R18001# p157 10.05pF 0.0m1553C1142R18001# p157 10.05pF 0.0m1553C1142R18001# p157 10.05pF 0.0m1553C1142R18001# p157 10.05pF 0.0m1553C1142R28001# p157 10.05pF 0.0m1553C1142R28001# p157 10.05pF 0.0m1553C1142R28001# p157 10.05pF 0.0m1553C1142R28001# p157 10.05pF 0.0m1553C1142R38001# p157 10.05pF 0.0m1553C1143R38001# p157 10.05pF 0.0m1553C1143R38001# p157 10.05pF 0.0m1553C1143R	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
10.1pF 0.05pF 0	0.55mm	50Vdc	СК	2.0pF	±0.25pF	GJM1554C1H2R0CB01#	p157
+0.25pf GJM1553C1H2R12B01# p157 c0.25pf GJM1553C1H2R2B01# p157 c0.25pf GJM1553C1H2R2B01# p157 c0.25pf GJM1553C1H2R2B01# p157 c0.25pf GJM1553C1H2R3B01# p157 c0.25pf GJM1553C1H2R5B01# p157 c0.25pf GJM1553C1H2R7B001# p157 c0.25pf GJM1553C1H3R7B001# p157 c0.25pf			CJ	2.1pF	±0.05pF	GJM1553C1H2R1WB01#	p157
2.2pF c0.05pF cJM1553C1H2R2WB01# p157 cd.25pF cJM1553C1H2R2B01# p157 cd.25pF cJM1553C1H2R3B01# p157 cd.25pF cJM1553C1H2R3B001# p157 cd.25pF cJM1553C1H2R3B001# p157 cd.25pF cJM1553C1H2R3B001# p157 cd.25pF cJM1553C1H2R3B001# p157 cd.25pF cJM1553C1H2R5B001# p157 cd.25pF cJM1553C1H2R3B001# p157 cd.25pF cJM1553C1H3R3B001#					±0.1pF	GJM1553C1H2R1BB01#	p157
#0.1pF c0.2pF c0.7pF c0.7pF c0.2pF c0.7pF c0.					±0.25pF	GJM1553C1H2R1CB01#	p157
10.25pF 10.05pF 10.0				2.2pF	±0.05pF	GJM1553C1H2R2WB01#	p157
2.3pF c0.05pF cJM1553C1H2R3WB01# p157 cd.25pF cJM1553C1H2R3BB01# p157 cd.25pF cJM1553C1H2R3BB01# p157 cd.25pF cJM1553C1H2R3BB01# p157 cd.25pF cJM1553C1H2R4BB01# p157 cd.25pF cJM1553C1H2R4BB01# p157 cd.25pF cJM1553C1H2R4BB01# p157 cd.25pF cJM1553C1H2R5BB01# p157 cd.25pF cJM1553C1H2R6BB01# p157 cd.25pF cJM1553C1H2R8BB01# p157 cd.25pF cJM1553C1H2R8BB01# p157 cd.25pF cJM1553C1H2R8BB01# p157 cd.25pF cJM1553C1H2R8BB01# p157 cd.25pF cJM1553C1H2R9BB01# p157 cd.25pF cJM1553C1H2R9BB01# p157 cd.25pF cJM1553C1H3R0BB01# cd.25pF					±0.1pF	GJM1553C1H2R2BB01#	p157
10.1pF c 0.2pF c 0.3pF c 0.2pF c 0.3pF					±0.25pF	GJM1553C1H2R2CB01#	p157
10.25pF GJM1553C1H2R3CB01# p157				2.3pF	±0.05pF	GJM1553C1H2R3WB01#	p157
2.4pF					±0.1pF	GJM1553C1H2R3BB01#	p157
#0.1pF GJM1553C1H2R4BB01# p157 #0.25pF GJM1553C1H2R4CB01# p157 #0.1pF GJM1553C1H2R5B01# p157 #0.25pF GJM1553C1H2R5B01# p157 #0.25pF GJM1553C1H2R5B01# p157 #0.1pF GJM1553C1H2R6B01# p157 #0.1pF GJM1553C1H2R6B01# p157 #0.1pF GJM1553C1H2R6B01# p157 #0.1pF GJM1553C1H2R6B01# p157 #0.1pF GJM1553C1H2R7WB01# p157 #0.1pF GJM1553C1H2R7WB01# p157 #0.25pF GJM1553C1H2R7WB01# p157 #0.25pF GJM1553C1H2R8B01# p157 #0.25pF GJM1553C1H2R8B01# p157 #0.25pF GJM1553C1H2R8B01# p157 #0.25pF GJM1553C1H2R8B01# p157 #0.25pF GJM1553C1H2R9B01# p157 #0.1pF GJM1553C1H3R0WB01# p157 #0.25pF GJM1553C1H3R0WB01# p157 #0.05pF GJM1553C1H3R0WB01# p157 #0.05pF GJM1553C1H3R0WB01# p157 #0.05pF GJM1553C1H3R0WB01# p157 #0.05pF GJM1553C1H3R1WB01# p157 #0.05pF GJM1553C1H3R1WB01# p157 #0.05pF GJM1553C1H3R1WB01# p157 #0.05pF GJM1553C1H3R2WB01# p157 #0.05pF GJM1553C1H3R3WB01# p157 #0.05pF GJM1553C1H3R3WB01# p157 #0.05pF GJM1553C1H3R3WB01# p157 #0.05pF GJM1553C1H3R3RBB01# p157 #0.05pF GJM1553C1H3R3WB01# p157 #0.05pF GJM1553C1H3RSWB01# p157 #0.05pF GJM1553C1H3R					±0.25pF	GJM1553C1H2R3CB01#	p157
20.25pF 2.07pF				2.4pF	±0.05pF	GJM1553C1H2R4WB01#	p157
2.5pF					±0.1pF	GJM1553C1H2R4BB01#	p157
±0.1pF					±0.25pF	GJM1553C1H2R4CB01#	p157
±0.25pF GJM1553C1H2R5CB01# p157 2.6pF ±0.05pF GJM1553C1H2R6WB01# p157 ±0.1pF GJM1553C1H2R6BB01# p157 ±0.25pF GJM1553C1H2R6BB01# p157 ±0.1pF GJM1553C1H2R7WB01# p157 ±0.25pF GJM1553C1H2R8WB01# p157 ±0.25pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R9WB01# p157 ±0.1pF GJM1553C1H2R9WB01# p157 ±0.05pF GJM1553C1H2R9WB01# p157 ±0.05pF GJM1553C1H3R0WB01# p157 ±0.05pF GJM1553C1H3R0WB01# p157 ±0.05pF GJM1553C1H3R0WB01# p157 ±0.05pF GJM1553C1H3R0WB01# p157 ±0.05pF GJM1553C1H3R1WB01# p157 ±0.05pF GJM1553C1H3R3WB01# p157				2.5pF	±0.05pF	GJM1553C1H2R5WB01#	p157
2.6pF					±0.1pF	GJM1553C1H2R5BB01#	p157
±0.1pF					±0.25pF	GJM1553C1H2R5CB01#	p157
±0.25pF GJM1553C1H2R6CBO1# p157 2.7pF ±0.05pF GJM1553C1H2R7WBO1# p157 ±0.1pF GJM1553C1H2R7WBO1# p157 ±0.25pF GJM1553C1H2R8WBO1# p157 ±0.1pF GJM1553C1H2R8WBO1# p157 ±0.25pF GJM1553C1H2R8WBO1# p157 ±0.25pF GJM1553C1H2R8WBO1# p157 ±0.25pF GJM1553C1H3R0WBO1# p157 ±0.05pF GJM1553C1H3R3WBO1# p157 ±0.05pF GJM1553C1H3R3WBO1# p157 ±0.05pF GJM1553C1H3R3WBO1# p157 ±0.05pF GJM1553C1H3R3WBO1# p157 ±0.05pF GJM1553C1H3R4WBO1# p157 ±0.05pF GJM1553C1H3R3WBO1# p157 ±0.05pF GJM1553C1H3R6WBO1# p157				2.6pF	±0.05pF	GJM1553C1H2R6WB01#	p157
2.7pF ±0.05pF GJM1553C1H2R7WB01# p157 ±0.1pF GJM1553C1H2R7BB01# p157 ±0.25pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R8WB01# p157 ±0.25pF GJM1553C1H2R9WB01# p157 ±0.25pF GJM1553C1H2R9WB01# p157 ±0.25pF GJM1553C1H3R8WB01# p157 ±0.25pF GJM1553C1H3R8WB01# p157 ±0.05pF GJM1553C1H3R8WB01# p157 ±0.05pF GJM1553C1H3R8WB01# p157 ±0.05pF GJM1553C1H3R8WB01# p157 ±0.05pF GJM1553C1H3R1WB01# p157 ±0.05pF GJM1553C1H3R1WB01# p157 ±0.05pF GJM1553C1H3R2WB01# p157 ±0.05pF GJM1553C1H3R2WB01# p157 ±0.05pF GJM1553C1H3R2WB01# p157 ±0.05pF GJM1553C1H3R2WB01# p157 ±0.05pF GJM1553C1H3R3WB01# p157 ±0.05pF GJM1553C1H3R3WB01# p157 ±0.05pF GJM1553C1H3R3WB01# p157 ±0.05pF GJM1553C1H3R3WB01# p157 ±0.05pF GJM1553C1H3R4WB01# p157 ±0.05pF GJM1553C1H3R5WB01# p157 ±0.05pF GJM1553C1H3R5WB01# p157 ±0.05pF GJM1553C1H3R5WB01# p157 ±0.05pF GJM1553C1H3R6WB01# p157					±0.1pF	GJM1553C1H2R6BB01#	p157
±0.1pF GJM1553C1H2R7BB01# p157					±0.25pF	GJM1553C1H2R6CB01#	p157
±0.25pF GJM1553C1H2R7CB01# p157 2.8pF ±0.05pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R9WB01# p157 ±0.1pF GJM1553C1H2R9WB01# p157 ±0.25pF GJM1553C1H2R9BB01# p157 ±0.25pF GJM1553C1H2R9CB01# p157 ±0.25pF GJM1553C1H2R9CB01# p157 ±0.1pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R1WB01# p157 ±0.1pF GJM1553C1H3R1WB01# p157 ±0.1pF GJM1553C1H3R1BB01# p157 ±0.1pF GJM1553C1H3R2WB01# p157 ±0.1pF GJM1553C1H3R2WB01# p157 ±0.1pF GJM1553C1H3R2WB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157				2.7pF	±0.05pF	GJM1553C1H2R7WB01#	p157
2.8pF ±0.05pF GJM1553C1H2R8WB01# p157 ±0.1pF GJM1553C1H2R8BB01# p157 ±0.25pF GJM1553C1H2R8BB01# p157 ±0.25pF GJM1553C1H2R9WB01# p157 ±0.1pF GJM1553C1H2R9BB01# p157 ±0.25pF GJM1553C1H2R9BB01# p157 ±0.25pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R0WB01# p157 ±0.25pF GJM1553C1H3R0WB01# p157 ±0.25pF GJM1553C1H3R1WB01# p157 ±0.25pF GJM1553C1H3R1WB01# p157 ±0.25pF GJM1553C1H3R1BB01# p157 ±0.25pF GJM1553C1H3R1BB01# p157 ±0.25pF GJM1553C1H3R2WB01# p157 ±0.25pF GJM1553C1H3R3BB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R6BB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157					±0.1pF	GJM1553C1H2R7BB01#	p157
±0.1pF GJM1553C1H2R8BB01# p157 ±0.25pF GJM1553C1H2R8CB01# p157 ±0.1pF GJM1553C1H2R9BB01# p157 ±0.25pF GJM1553C1H2R9BB01# p157 ±0.25pF GJM1553C1H2R9CB01# p157 ±0.25pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R0BB01# p157 ±0.1pF GJM1553C1H3R1WB01# p157 ±0.25pF GJM1553C1H3R1WB01# p157 ±0.25pF GJM1553C1H3R1CB01# p157 ±0.25pF GJM1553C1H3R2WB01# p157 ±0.25pF GJM1553C1H3R2WB01# p157 ±0.25pF GJM1553C1H3R3BB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R6BB01# p157 ±0.25pF GJM1553C1H3R7BB01# p157					±0.25pF	GJM1553C1H2R7CB01#	p157
±0.25pF GJM1553C1H2R8CB01# p157 ±0.05pF GJM1553C1H2R9BB01# p157 ±0.25pF GJM1553C1H2R9BB01# p157 ±0.25pF GJM1553C1H2R9CB01# p157 ±0.05pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R0BB01# p157 ±0.25pF GJM1553C1H3R0BB01# p157 ±0.1pF GJM1553C1H3R1BB01# p157 ±0.25pF GJM1553C1H3R1BB01# p157 ±0.25pF GJM1553C1H3R1BB01# p157 ±0.25pF GJM1553C1H3R2BB01# p157 ±0.25pF GJM1553C1H3R3BB01# p157 ±0.25pF GJM1553C1H3R4BB01# p157 ±0.05pF GJM1553C1H3R4BB01# p157 ±0.05pF GJM1553C1H3R4BB01# p157 ±0.05pF GJM1553C1H3R5B001# p157 ±0.05pF GJM1553C1H3R5B001# p157 ±0.25pF GJM1553C1H3R5B001# p157 ±0.25pF GJM1553C1H3R6BB01# p157 ±0.25pF GJM1553C1H3R7BB01# p157				2.8pF	±0.05pF	GJM1553C1H2R8WB01#	p157
2.9pF ±0.05pF GJM1553C1H2R9WB01# p157 ±0.1pF GJM1553C1H2R9BB01# p157 ±0.25pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R0WB01# p157 ±0.1pF GJM1553C1H3R0WB01# p157 ±0.25pF GJM1553C1H3R0CB01# p157 ±0.1pF GJM1553C1H3R1WB01# p157 ±0.1pF GJM1553C1H3R1WB01# p157 ±0.25pF GJM1553C1H3R1BB01# p157 ±0.25pF GJM1553C1H3R2WB01# p157 ±0.25pF GJM1553C1H3R2WB01# p157 ±0.25pF GJM1553C1H3R2WB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157					±0.1pF	GJM1553C1H2R8BB01#	p157
#0.1pF GJM1553C1H2R9BB01# p157 #0.25pF GJM1553C1H3R0WB01# p157 #0.1pF GJM1553C1H3R0WB01# p157 #0.1pF GJM1553C1H3R0BB01# p157 #0.25pF GJM1553C1H3R0BB01# p157 #0.25pF GJM1553C1H3R1WB01# p157 #0.25pF GJM1553C1H3R1BB01# p157 #0.25pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R3WB01# p157 #0.25pF GJM1553C1H3R4WB01# p157 #0.25pF GJM1553C1H3R4WB01# p157 #0.25pF GJM1553C1H3R4WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R6WB01# p157 #0.25pF GJM1553C1H3R6WB01# p157 #0.25pF GJM1553C1H3R6WB01# p157 #0.25pF GJM1553C1H3R6BB01# p157 #0.25pF GJM1553C1H3R6BB01# p157 #0.25pF GJM1553C1H3R6BB01# p157 #0.25pF GJM1553C1H3R6BB01# p157 #0.25pF GJM1553C1H3R7WB01# p157 #0.25pF GJM1553C1H3R7WB01# p157 #0.25pF GJM1553C1H3R7WB01# p157 #0.25pF GJM1553C1H3R7WB01# p157 #0.25pF GJM1553C1H3R7BB01# p157					±0.25pF	GJM1553C1H2R8CB01#	p157
#0.25pF GJM1553C1H2R9CB01# p157 3.0pF				2.9pF	±0.05pF	GJM1553C1H2R9WB01#	p157
3.0pF					±0.1pF	GJM1553C1H2R9BB01#	p157
±0.1pF GJM1553C1H3R0BB01# p157 ±0.25pF GJM1553C1H3R1WB01# p157 ±0.1pF GJM1553C1H3R1WB01# p157 ±0.25pF GJM1553C1H3R1WB01# p157 ±0.25pF GJM1553C1H3R1WB01# p157 ±0.25pF GJM1553C1H3R2WB01# p157 ±0.1pF GJM1553C1H3R2WB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157					±0.25pF	GJM1553C1H2R9CB01#	p157
#0.25pF GJM1553C1H3R0CB01# p157 #0.1pF GJM1553C1H3R1BB01# p157 #0.25pF GJM1553C1H3R1BB01# p157 #0.25pF GJM1553C1H3R2WB01# p157 #0.1pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R3WB01# p157 #0.1pF GJM1553C1H3R3WB01# p157 #0.25pF GJM1553C1H3R3WB01# p157 #0.25pF GJM1553C1H3R4WB01# p157 #0.1pF GJM1553C1H3R4WB01# p157 #0.25pF GJM1553C1H3R4WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R5CB01# p157 #0.25pF GJM1553C1H3R6WB01# p157 #0.25pF GJM1553C1H3R7WB01# p157				3.0pF	±0.05pF	GJM1553C1H3R0WB01#	p157
3.1pF ±0.05pF GJM1553C1H3R1WB01# p157 ±0.1pF GJM1553C1H3R1BB01# p157 ±0.25pF GJM1553C1H3R1CB01# p157 ±0.1pF GJM1553C1H3R2BB01# p157 ±0.1pF GJM1553C1H3R2BB01# p157 ±0.25pF GJM1553C1H3R2BB01# p157 ±0.25pF GJM1553C1H3R3BB01# p157 ±0.1pF GJM1553C1H3R3BB01# p157 ±0.25pF GJM1553C1H3R3BB01# p157 ±0.1pF GJM1553C1H3R4BB01# p157 ±0.1pF GJM1553C1H3R4BB01# p157 ±0.25pF GJM1553C1H3R4BB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5CB01# p157 ±0.25pF GJM1553C1H3R6BB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7BB01# p157					±0.1pF	GJM1553C1H3R0BB01#	p157
±0.1pF GJM1553C1H3R1BB01# p157 ±0.25pF GJM1553C1H3R2WB01# p157 ±0.1pF GJM1553C1H3R2WB01# p157 ±0.25pF GJM1553C1H3R2CB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157					±0.25pF	GJM1553C1H3R0CB01#	p157
#0.25pF GJM1553C1H3R2WB01# p157 #0.1pF GJM1553C1H3R2WB01# p157 #0.25pF GJM1553C1H3R2BB01# p157 #0.25pF GJM1553C1H3R3WB01# p157 #0.1pF GJM1553C1H3R3WB01# p157 #0.25pF GJM1553C1H3R3WB01# p157 #0.25pF GJM1553C1H3R3WB01# p157 #0.25pF GJM1553C1H3R4WB01# p157 #0.1pF GJM1553C1H3R4WB01# p157 #0.25pF GJM1553C1H3R4WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R5WB01# p157 #0.25pF GJM1553C1H3R6WB01# p157 #0.25pF GJM1553C1H3R7WB01# p157				3.1pF	±0.05pF	GJM1553C1H3R1WB01#	p157
3.2pF ±0.05pF GJM1553C1H3R2WB01# p157 ±0.1pF GJM1553C1H3R2BB01# p157 ±0.25pF GJM1553C1H3R2CB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3BB01# p157 ±0.25pF GJM1553C1H3R3CB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4CB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5CB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157					±0.1pF	GJM1553C1H3R1BB01#	p157
±0.1pF GJM1553C1H3R2BB01# p157 ±0.25pF GJM1553C1H3R2BB01# p157 ±0.1pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R3WB01# p157 ±0.25pF GJM1553C1H3R3CB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4CB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5CB01# p157 ±0.25pF GJM1553C1H3R5CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.1pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157					±0.25pF	GJM1553C1H3R1CB01#	p157
±0.25pF GJM1553C1H3R2CB01# p157 3.3pF ±0.05pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3BB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4WB01# p157 ±0.25pF GJM1553C1H3R4CB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157				3.2pF	±0.05pF	GJM1553C1H3R2WB01#	p157
3.3pF ±0.05pF GJM1553C1H3R3WB01# p157 ±0.1pF GJM1553C1H3R3BB01# p157 ±0.25pF GJM1553C1H3R3CB01# p157 ±0.25pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4CB01# p157 ±0.25pF GJM1553C1H3R4CB01# p157 ±0.05pF GJM1553C1H3R5BB01# p157 ±0.1pF GJM1553C1H3R5CB01# p157 ±0.25pF GJM1553C1H3R5CB01# p157 ±0.1pF GJM1553C1H3R6CB01# p157 ±0.1pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157					±0.1pF	GJM1553C1H3R2BB01#	p157
±0.1pF GJM1553C1H3R3BB01# p157 ±0.25pF GJM1553C1H3R3CB01# p157 3.4pF ±0.05pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4CB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.05pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5CB01# p157 ±0.25pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 ±0.1pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157					±0.25pF	GJM1553C1H3R2CB01#	p157
±0.25pF GJM1553C1H3R3CB01# p157 3.4pF ±0.05pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4BB01# p157 ±0.25pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5CB01# p157 ±0.25pF GJM1553C1H3R5CB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157				3.3pF	±0.05pF	GJM1553C1H3R3WB01#	p157
3.4pF ±0.05pF GJM1553C1H3R4WB01# p157 ±0.1pF GJM1553C1H3R4BB01# p157 ±0.25pF GJM1553C1H3R4CB01# p157 3.5pF ±0.05pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5CB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6BB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.1pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7BB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157					±0.1pF	GJM1553C1H3R3BB01#	p157
±0.1pF GJM1553C1H3R4BB01# p157 ±0.25pF GJM1553C1H3R4CB01# p157 3.5pF ±0.05pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5CB01# p157 ±0.1pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R7WB01# p157 ±0.1pF GJM1553C1H3R7WB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157					±0.25pF	GJM1553C1H3R3CB01#	p157
#0.25pF GJM1553C1H3R4CB01# p157 3.5pF #0.05pF GJM1553C1H3R5WB01# p157 #0.1pF GJM1553C1H3R5BB01# p157 #0.25pF GJM1553C1H3R5CB01# p157 #0.1pF GJM1553C1H3R6WB01# p157 #0.1pF GJM1553C1H3R6CB01# p157 #0.25pF GJM1553C1H3R6CB01# p157 #0.25pF GJM1553C1H3R7WB01# p157 #0.1pF GJM1553C1H3R7WB01# p157 #0.25pF GJM1553C1H3R7CB01# p157 #0.25pF GJM1553C1H3R7CB01# p157 #0.25pF GJM1553C1H3R7CB01# p157				3.4pF	±0.05pF	GJM1553C1H3R4WB01#	p157
3.5pF ±0.05pF GJM1553C1H3R5WB01# p157 ±0.1pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5CB01# p157 3.6pF ±0.05pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 ±0.1pF GJM1553C1H3R7WB01# p157 ±0.1pF GJM1553C1H3R7BB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157					±0.1pF	GJM1553C1H3R4BB01#	p157
±0.1pF GJM1553C1H3R5BB01# p157 ±0.25pF GJM1553C1H3R5CB01# p157 3.6pF ±0.05pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6CB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 3.7pF ±0.05pF GJM1553C1H3R7WB01# p157 ±0.1pF GJM1553C1H3R7CB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 3.8pF ±0.05pF GJM1553C1H3R8WB01# p157					±0.25pF	GJM1553C1H3R4CB01#	p157
±0.25pF GJM1553C1H3R5CB01# p157 3.6pF ±0.05pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6BB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 3.7pF ±0.05pF GJM1553C1H3R7WB01# p157 ±0.1pF GJM1553C1H3R7BB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 3.8pF ±0.05pF GJM1553C1H3R8WB01# p157				3.5pF	±0.05pF	GJM1553C1H3R5WB01#	p157
3.6pF ±0.05pF GJM1553C1H3R6WB01# p157 ±0.1pF GJM1553C1H3R6BB01# p157 ±0.25pF GJM1553C1H3R6CB01# p157 3.7pF ±0.05pF GJM1553C1H3R7WB01# p157 ±0.1pF GJM1553C1H3R7BB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 3.8pF ±0.05pF GJM1553C1H3R8WB01# p157					±0.1pF	GJM1553C1H3R5BB01#	p157
±0.1pF					±0.25pF	GJM1553C1H3R5CB01#	p157
±0.25pF GJM1553C1H3R6CB01# p157 3.7pF ±0.05pF GJM1553C1H3R7WB01# p157 ±0.1pF GJM1553C1H3R7BB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 3.8pF ±0.05pF GJM1553C1H3R8WB01# p157				3.6pF	±0.05pF	GJM1553C1H3R6WB01#	p157
3.7pF ±0.05pF GJM1553C1H3R7WB01# p157 ±0.1pF GJM1553C1H3R7BB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 3.8pF ±0.05pF GJM1553C1H3R8WB01# p157					±0.1pF	GJM1553C1H3R6BB01#	p157
±0.1pF GJM1553C1H3R7BB01# p157 ±0.25pF GJM1553C1H3R7CB01# p157 3.8pF ±0.05pF GJM1553C1H3R8WB01# p157					±0.25pF	GJM1553C1H3R6CB01#	p157
±0.25pF GJM1553C1H3R7CB01# p157 3.8pF ±0.05pF GJM1553C1H3R8WB01# p157				3.7pF	±0.05pF	GJM1553C1H3R7WB01#	p157
3.8pF ±0.05pF GJM1553C1H3R8WB01# p157					±0.1pF	GJM1553C1H3R7BB01#	p157
					±0.25pF	GJM1553C1H3R7CB01#	p157
±0.1pF GJM1553C1H3R8BB01# p157				3.8pF	±0.05pF	GJM1553C1H3R8WB01#	p157
					±0.1pF	GJM1553C1H3R8BB01#	p157

Part number # indicates the package specification code.

 $^{*\}mbox{:}$ Refers to the page of the "Specifications and Test Methods".

GRM

GR3

GRJ

GR4

GR7

GA2

GA3 GB

GA3

GA3 GF

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KR3

GMA

GMD

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GJM Series Temperature Compensating Type Part Number List (→ 1.0×0.5mm) Rated TC Tol. Cap. Part Number /oltage max ±0.25pF GJM1553C1H3R8CB01# 0.55mm 50Vdc CJ 3.8pF p157 3.9pF ±0.05pF GJM1553C1H3R9WB01# p157 ±0.1pF **GJM1553C1H3R9BB01#** ±0.25pF **GJM1553C1H3R9CB01#** CH 4.0pF ±0.05pF | GJM1552C1H4R0WB01# | p157 GJM1552C1H4R0BB01# ±0.1pF ±0.25pF **GJM1552C1H4R0CB01**# 4.1pF ±0.05pF GJM1552C1H4R1WB01# p157 ±0.1pF **GJM1552C1H4R1BB01#** ±0.25pF GJM1552C1H4R1CB01# p157 ±0.05pF GJM1552C1H4R2WB01# p157 GJM1552C1H4R2BB01# p157 ±0.1pF ±0.25pF GJM1552C1H4R2CB01# p157 4.3pF ±0.05pF | GJM1552C1H4R3WB01# | p157 ±0.1pF GJM1552C1H4R3BB01# ±0.25pF GJM1552C1H4R3CB01# p157 ±0.05pF GJM1552C1H4R4WB01# p157 4.4pF GJM1552C1H4R4BB01# p157 ±0.25pF GJM1552C1H4R4CB01# p157 ±0.05pF GJM1552C1H4R5WB01# p157 GJM1552C1H4R5BB01# p157 ±0.1pF ±0.25pF GJM1552C1H4R5CB01# ±0.05pF GJM1552C1H4R6WB01# p157 4.6pF GJM1552C1H4R6BB01# ±0.25pF GJM1552C1H4R6CB01# p157 ±0.05pF GJM1552C1H4R7WB01# p157 ±0.1pF | GJM1552C1H4R7BB01# | p157 ±0.25pF GJM1552C1H4R7CB01# p157 4.8pF ±0.05pF GJM1552C1H4R8WB01# p157 ±0.1pF GJM1552C1H4R8BB01# ±0.25pF GJM1552C1H4R8CB01# p157 ±0.05pF GJM1552C1H4R9WB01# p157 GJM1552C1H4R9BB01# p157 ±0.25pF GJM1552C1H4R9CB01# p157 ±0.05pF GJM1552C1H5R0WB01# p157 GJM1552C1H5R0BB01# p157 ±0.1pF ±0.25pF GJM1552C1H5R0CB01# 5.1pF ±0.05pF GJM1552C1H5R1WB01# p157 ±0.1pF **GJM1552C1H5R1BB01**# p157 ±0.25pF GJM1552C1H5R1CB01# p157 ±0.5pF GJM1552C1H5R1DB01# p157 ±0.05pF GJM1552C1H5R2WB01# p157 GJM1552C1H5R2BB01# p157 ±0.1pF ±0.25pF **GJM1552C1H5R2CB01**# ±0.5pF | GJM1552C1H5R2DB01# | p157 ±0.05pF GJM1552C1H5R3WB01# p157 ±0.1pF GJM1552C1H5R3BB01# ±0.25pF **GJM1552C1H5R3CB01**# GJM1552C1H5R3DB01# p157 ±0.05pF GJM1552C1H5R4WB01# p157

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	50Vdc	СН	5.5pF	±0.1pF	GJM1552C1H5R5BB01#	p157
				±0.25pF	GJM1552C1H5R5CB01#	p157
				±0.5pF	GJM1552C1H5R5DB01#	p157
			5.6pF	±0.05pF	GJM1552C1H5R6WB01#	p157
				±0.1pF	GJM1552C1H5R6BB01#	p157
				±0.25pF	GJM1552C1H5R6CB01#	p157
				±0.5pF	GJM1552C1H5R6DB01#	p157
			5.7pF	±0.05pF	GJM1552C1H5R7WB01#	p157
				±0.1pF	GJM1552C1H5R7BB01#	p157
				±0.25pF	GJM1552C1H5R7CB01#	p157
				±0.5pF	GJM1552C1H5R7DB01#	p157
			5.8pF	±0.05pF	GJM1552C1H5R8WB01#	p157
				±0.1pF	GJM1552C1H5R8BB01#	p157
				±0.25pF	GJM1552C1H5R8CB01#	p157
				±0.5pF	GJM1552C1H5R8DB01#	p157
			5.9pF	±0.05pF	GJM1552C1H5R9WB01#	p157
				±0.1pF	GJM1552C1H5R9BB01#	p157
				-	GJM1552C1H5R9CB01#	p157
				±0.5pF	GJM1552C1H5R9DB01#	p157
			6.0pF		GJM1552C1H6R0WB01#	p157
				±0.1pF	GJM1552C1H6R0BB01#	p157
				-	GJM1552C1H6R0CB01#	p157
			6.1pF	±0.5pF	GJM1552C1H6R0DB01#	p157
					GJM1552C1H6R1WB01#	
				±0.1pF	GJM1552C1H6R1BB01# GJM1552C1H6R1CB01#	p157 p157
				±0.25pF	GJM1552C1H6R1DB01#	p157
			6.2pF		GJM1552C1H6R2WB01#	i
			0.2pi	±0.1pF	GJM1552C1H6R2BB01#	p157
				-	GJM1552C1H6R2CB01#	p157
				±0.5pF	GJM1552C1H6R2DB01#	p157
			6.3pF			p157
				±0.1pF	GJM1552C1H6R3BB01#	p157
					GJM1552C1H6R3CB01#	p157
				±0.5pF	GJM1552C1H6R3DB01#	p157
			6.4pF	±0.05pF	GJM1552C1H6R4WB01#	p157
				±0.1pF	GJM1552C1H6R4BB01#	p157
				±0.25pF	GJM1552C1H6R4CB01#	p157
				±0.5pF	GJM1552C1H6R4DB01#	p157
			6.5pF	±0.05pF	GJM1552C1H6R5WB01#	p157
				±0.1pF	GJM1552C1H6R5BB01#	p157
				±0.25pF	GJM1552C1H6R5CB01#	p157
				±0.5pF	GJM1552C1H6R5DB01#	p157
			6.6pF	±0.05pF	GJM1552C1H6R6WB01#	p157
				±0.1pF	GJM1552C1H6R6BB01#	p157
				±0.25pF	GJM1552C1H6R6CB01#	p157
				±0.5pF	GJM1552C1H6R6DB01#	p157
			6.7pF	±0.05pF	GJM1552C1H6R7WB01#	p157
				±0.1pF	GJM1552C1H6R7BB01#	p157
				±0.25pF	GJM1552C1H6R7CB01#	p157
				±0.5pF	GJM1552C1H6R7DB01#	p157
			6.8pF	±0.05pF	GJM1552C1H6R8WB01#	p157
				±0.1pF	GJM1552C1H6R8BB01#	p157
				±0.25pF	GJM1552C1H6R8CB01#	p157

GJM1552C1H5R4BB01# ±0.25pF GJM1552C1H5R4CB01# p157 ±0.5pF GJM1552C1H5R4DB01# p157 ±0.05pF **GJM1552C1H5R5WB01#** p157

(→ 1.0>	0.5mm	1)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	50Vdc	CH	6.8pF	±0.5pF	GJM1552C1H6R8DB01#	p157
			6.9pF	±0.05pF	GJM1552C1H6R9WB01#	p157
				±0.1pF	GJM1552C1H6R9BB01#	p157
				±0.25pF	GJM1552C1H6R9CB01#	p157
				±0.5pF	GJM1552C1H6R9DB01#	p157
			7.0pF	±0.05pF	GJM1552C1H7R0WB01#	p157
				±0.1pF	GJM1552C1H7R0BB01#	p157
				±0.25pF	GJM1552C1H7R0CB01#	p157
				±0.5pF	GJM1552C1H7R0DB01#	p157
			7.1pF	±0.05pF	GJM1552C1H7R1WB01#	p157
				±0.1pF	GJM1552C1H7R1BB01#	p157
				-	GJM1552C1H7R1CB01#	p157
			70.5	±0.5pF	GJM1552C1H7R1DB01#	p157
			7.2pF	±0.05pF	GJM1552C1H7R2WB01#	p157
				±0.1pF	GJM1552C1H7R2BB01#	p157
				±0.25pF	GJM1552C1H7R2CB01#	p157
			7.3pF	±0.5pF ±0.05pF	GJM1552C1H7R2DB01# GJM1552C1H7R3WB01#	p157 p157
			7.5pi	±0.1pF	GJM1552C1H7R3BB01#	p157
				-	GJM1552C1H7R3CB01#	p157
				±0.5pF	GJM1552C1H7R3DB01#	p157
			7.4pF	±0.05pF	GJM1552C1H7R4WB01#	p157
			•	±0.1pF	GJM1552C1H7R4BB01#	p157
				±0.25pF	GJM1552C1H7R4CB01#	p157
				±0.5pF	GJM1552C1H7R4DB01#	p157
			7.5pF	±0.05pF	GJM1552C1H7R5WB01#	p157
				±0.1pF	GJM1552C1H7R5BB01#	p157
				±0.25pF	GJM1552C1H7R5CB01#	p157
				±0.5pF	GJM1552C1H7R5DB01#	p157
			7.6pF	±0.05pF	GJM1552C1H7R6WB01#	p157
				±0.1pF	GJM1552C1H7R6BB01#	p157
				±0.25pF	GJM1552C1H7R6CB01#	p157
				±0.5pF	GJM1552C1H7R6DB01#	p157
			7.7pF	±0.05pF	GJM1552C1H7R7WB01#	p157
				±0.1pF	GJM1552C1H7R7BB01#	p157
					GJM1552C1H7R7CB01#	p157
				±0.5pF	GJM1552C1H7R7DB01#	p157
			7.8pF		GJM1552C1H7R8WB01#	p157
				±0.1pF	GJM1552C1H7R8BB01#	p157
					GJM1552C1H7R8CB01#	p157
			7 0 n F	±0.5pF	GJM1552C1H7R8DB01#	p157
			7.9pF		GJM1552C1H7R9WB01#	p157
				±0.1pF	GJM1552C1H7R9BB01# GJM1552C1H7R9CB01#	p157
				±0.25pF		p157
			8.0pF	±0.5pF	GJM1552C1H7R9DB01# GJM1552C1H8R0WB01#	p157 p157
			J.Jp.	±0.1pF	GJM1552C1H8R0BB01#	p157
				±0.25pF	GJM1552C1H8R0CB01#	p157
				±0.5pF	GJM1552C1H8R0DB01#	p157
			8.1pF		GJM1552C1H8R1WB01#	
			•	±0.1pF	GJM1552C1H8R1BB01#	p157
				-	GJM1552C1H8R1CB01#	p157
				±0.5pF	GJM1552C1H8R1DB01#	p157
			8.2pF	±0.05pF	GJM1552C1H8R2WB01#	p157

0.55mm 50vdc CH	T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
10.5pF GJM1552C1H8R2BB01# 0157	0.55mm	50Vdc	СН	8.2pF	±0.1pF	1pF GJM1552C1H8R2BB01#	
8.3pF 10.05pF GJM1552C1H8R3WB01# 0157 10.25pF GJM1552C1H8R3CB01# 0157 10.5pF GJM1552C1H8R3CB01# 0157 10.25pF GJM1552C1H8R3CB01# 0157 10.25pF GJM1552C1H8R4WB01# 0157 10.25pF GJM1552C1H8R4WB01# 0157 10.25pF GJM1552C1H8R4WB01# 0157 10.25pF GJM1552C1H8R5WB01# 0157 10.25pF GJM1552C1H8R6WB01# 0157 10.25pF GJM1552C1H8R8WB01# 0157 10.25pF GJM1552C1H8R9WB01# 0157 10.25pF GJM1552C1H9R0WB01# 0157 10.25pF GJM1552C1H9R0WB					±0.25pF	GJM1552C1H8R2CB01#	p157
10.1pF 2.0.1pF 2.0.2pF 2.0.1pF 2.0.2pF 2.0.1pF 2.0.1					±0.5pF	GJM1552C1H8R2DB01#	p157
10.25pF GJM1552C1H8R3CB01# 0157				8.3pF	±0.05pF	GJM1552C1H8R3WB01#	p157
10.5pF 20.05pF 20.05					±0.1pF	GJM1552C1H8R3BB01#	p157
8.4pF					±0.25pF	GJM1552C1H8R3CB01#	p157
# 1.01pF GJM1552C1H8R4BB01# p157 c1.05pF GJM1552C1H8R5WB01# p157 c1.05pF					±0.5pF	GJM1552C1H8R3DB01#	p157
#0.25pF GJM1552C1H8R4CB01# p157 #0.1pF dJM1552C1H8R5BB01# p157 #0.1pF dJM1552C1H8R6BB01# p157 #0.1pF dJM1552C1H8R7BB01# p157 #0.1pF dJM1552C1H8R7BB01# p157 #0.1pF dJM1552C1H8R7BB01# p157 #0.1pF dJM1552C1H8R8BB01# p157 #0.25pF dJM1552C1H8R9BB01# p157 #0.1pF dJM1552C1H9R0B001# p157 #0.1pF dJM1552C1H9R1BB01# p157 #0.25pF dJM1552C1H9R1BB01# p157 #0.25pF dJM1552C1H9R1BB01# p157 #0.25pF dJM1552C1H9R1BB01# p157 #0.1pF dJM1552C1H9R2B001# p157 #0.1pF dJM1552C1H9R3B001#				8.4pF	±0.05pF	GJM1552C1H8R4WB01#	p157
# 1.5pF 1.5p					±0.1pF	GJM1552C1H8R4BB01#	p157
8.5pf ±0.05pf GJM1552C1H8RSWB01# p157					±0.25pF	GJM1552C1H8R4CB01#	p157
# 1.0.1pF GJM1552C1H8RSBB01# p157 1.0.5pF GJM1552C1H9ROBB01# p157 1.0.5pF GJM1552C1H9RJBB01#					±0.5pF	GJM1552C1H8R4DB01#	p157
#0.25pF GJM1552C1H8R5CB01# p157 #0.5pF GJM1552C1H8R6BB01# p157 #0.1pF GJM1552C1H8R7BB01# p157 #0.25pF GJM1552C1H8R7BB01# p157 #0.25pF GJM1552C1H8R7BB01# p157 #0.25pF GJM1552C1H8R7BB01# p157 #0.25pF GJM1552C1H8R8BB01# p157 #0.25pF GJM1552C1H8R9BB01# p157 #0.25pF GJM1552C1H9R0BB01# p157 #0.25pF GJM1552C1H9R0BB01# p157 #0.25pF GJM1552C1H9R0B01# p157 #0.5pF GJM1552C1H9R2B01# p157 #0.5pF GJM1552C1H9R2B01# p157 #0.5pF GJM1552C1H9R2B001# p157 #0.5pF GJM1552C1H9R2B001# p157 #0.5pF GJM1552C1H9R3B001# p157 #0.5pF GJM1552C1H9R4B001# p157 #0.5pF GJM1552C1H9R5B001# p157 #0.5pF GJM1552C1H9R5B001# p157				8.5pF	±0.05pF	GJM1552C1H8R5WB01#	p157
#0.5pF GJM1552C1H8R5DB01# p157 #0.1pF GJM1552C1H8R6BD01# p157 #0.25pF GJM1552C1H8R6BD01# p157 #0.5pF GJM1552C1H8R6BD01# p157 #0.5pF GJM1552C1H8R6BD01# p157 #0.1pF GJM1552C1H8R7BD01# p157 #0.1pF GJM1552C1H8R7BD01# p157 #0.25pF GJM1552C1H8R7BD01# p157 #0.5pF GJM1552C1H8R7BD01# p157 #0.5pF GJM1552C1H8R7BD01# p157 #0.5pF GJM1552C1H8R8BD01# p157 #0.25pF GJM1552C1H8R8BD01# p157 #0.25pF GJM1552C1H8R8BD01# p157 #0.5pF GJM1552C1H8R8BD01# p157 #0.5pF GJM1552C1H8R8BD01# p157 #0.5pF GJM1552C1H8R9BD01# p157 #0.5pF GJM1552C1H9R0BD01# p157 #0.5pF GJM1552C1H9R0BD01# p157 #0.5pF GJM1552C1H9R0BD01# p157 #0.5pF GJM1552C1H9R1BD01# p157 #0.5pF GJM1552C1H9R2BD01# p157 #0.5pF GJM1552C1H9R3BD01# p					±0.1pF	GJM1552C1H8R5BB01#	p157
8.6pF ±0.05pF GJM1552C1H8R6WB01# p157 ±0.1pF GJM1552C1H8R6BB01# p157 ±0.25pF GJM1552C1H8R6BB01# p157 ±0.5pF GJM1552C1H8R7WB01# p157 ±0.25pF GJM1552C1H8R7WB01# p157 ±0.25pF GJM1552C1H8R7WB01# p157 ±0.25pF GJM1552C1H8R7WB01# p157 ±0.5pF GJM1552C1H8R8WB01# p157 ±0.5pF GJM1552C1H8R8WB01# p157 ±0.25pF GJM1552C1H8R8WB01# p157 ±0.25pF GJM1552C1H8R8WB01# p157 ±0.25pF GJM1552C1H8R8WB01# p157 ±0.5pF GJM1552C1H8R8WB01# p157 ±0.5pF GJM1552C1H8R9WB01# p157 ±0.05pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R1WB01# p157 ±0.25pF GJM1552C1H9R1WB01# p157 ±0.25pF GJM1552C1H9R1WB01# p157 ±0.25pF GJM1552C1H9R1WB01# p157 ±0.25pF GJM1552C1H9R2WB01# p157 ±0.25pF GJM1552C1H9R2WB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157					±0.25pF	GJM1552C1H8R5CB01#	p157
#0.1pF GJM1552C1H8R6BB01# p157 #0.25pF GJM1552C1H8R6BB01# p157 #0.5pF GJM1552C1H8R7WB01# p157 #0.1pF GJM1552C1H8R7WB01# p157 #0.25pF GJM1552C1H8R7WB01# p157 #0.5pF GJM1552C1H8R7WB01# p157 #0.5pF GJM1552C1H8R7WB01# p157 #0.1pF GJM1552C1H8R8WB01# p157 #0.1pF GJM1552C1H8R8WB01# p157 #0.1pF GJM1552C1H8R8WB01# p157 #0.5pF GJM1552C1H8R8WB01# p157 #0.5pF GJM1552C1H8R8WB01# p157 #0.5pF GJM1552C1H8R9WB01# p157 #0.5pF GJM1552C1H9R0WB01# p157 #0.5pF GJM1552C1H9R0WB01# p157 #0.5pF GJM1552C1H9R0WB01# p157 #0.5pF GJM1552C1H9R1WB01# p157 #0.5pF GJM1552C1H9R1WB01# p157 #0.5pF GJM1552C1H9R1WB01# p157 #0.5pF GJM1552C1H9R1WB01# p157 #0.5pF GJM1552C1H9R2WB01# p157 #0.5pF GJM1552C1H9R3WB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.5pF GJM1552C1H9R5BB01# p157 #0.5pF GJM1552C1H9R5BB01# p157 #0.5pF GJM1552C1H9R5BB01# p157					±0.5pF	GJM1552C1H8R5DB01#	p157
±0.25pF GJM1552C1H8R6CB01# p157 ±0.5pF GJM1552C1H8R7WB01# p157 ±0.1pF GJM1552C1H8R7WB01# p157 ±0.5pF GJM1552C1H8R7WB01# p157 ±0.5pF GJM1552C1H8R7WB01# p157 ±0.5pF GJM1552C1H8R8WB01# p157 ±0.5pF GJM1552C1H8R8WB01# p157 ±0.25pF GJM1552C1H8R8WB01# p157 ±0.25pF GJM1552C1H8R8WB01# p157 ±0.25pF GJM1552C1H8R8WB01# p157 ±0.5pF GJM1552C1H8R9WB01# p157 ±0.25pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R1WB01# p157 ±0.25pF GJM1552C1H9R1WB01# p157 ±0.25pF GJM1552C1H9R2WB01# p157 ±0.25pF GJM1552C1H9R3WB01# p157				8.6pF	±0.05pF	GJM1552C1H8R6WB01#	p157
#0.5pF GJM1552C1H8R6DB01# p157 #0.1pF GJM1552C1H8R7WB01# p157 #0.25pF GJM1552C1H8R7BB01# p157 #0.5pF GJM1552C1H8R7BB01# p157 #0.5pF GJM1552C1H8R7BB01# p157 #0.5pF GJM1552C1H8R8BB01# p157 #0.1pF GJM1552C1H8R8BB01# p157 #0.25pF GJM1552C1H8R8BB01# p157 #0.5pF GJM1552C1H8R8BB01# p157 #0.5pF GJM1552C1H8R8BB01# p157 #0.1pF GJM1552C1H8R9BB01# p157 #0.25pF GJM1552C1H8R9BB01# p157 #0.25pF GJM1552C1H8R9BB01# p157 #0.25pF GJM1552C1H8R9BB01# p157 #0.5pF GJM1552C1H8R9BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R4BB01# p157 #0.5pF GJM1552C1H9R5BB01# p157					±0.1pF	GJM1552C1H8R6BB01#	p157
8.7pF ±0.05pF GJM1552C1H8R7WB01# p157 ±0.1pF GJM1552C1H8R7BB01# p157 ±0.25pF GJM1552C1H8R7BB01# p157 ±0.5pF GJM1552C1H8R8WB01# p157 ±0.1pF GJM1552C1H8R8BB01# p157 ±0.25pF GJM1552C1H8R8BB01# p157 ±0.25pF GJM1552C1H8R8BB01# p157 ±0.5pF GJM1552C1H8R9WB01# p157 ±0.1pF GJM1552C1H8R9WB01# p157 ±0.25pF GJM1552C1H8R9BB01# p157 ±0.25pF GJM1552C1H8R9BB01# p157 ±0.05pF GJM1552C1H8R9BB01# p157 ±0.05pF GJM1552C1H8R9BB01# p157 ±0.05pF GJM1552C1H9R0BB01# p157 ±0.05pF GJM1552C1H9R0BB01# p157 ±0.05pF GJM1552C1H9R0BB01# p157 ±0.05pF GJM1552C1H9R1BB01# p157 ±0.05pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R2BB01# p157 ±0.25pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R4BB01# p157					±0.25pF	GJM1552C1H8R6CB01#	p157
#0.1pF GJM1552C1H8R7BB01# p157					±0.5pF	GJM1552C1H8R6DB01#	p157
#0.25pF GJM1552C1H8R7CB01# p157 #0.5pF GJM1552C1H8R8BB01# p157 #0.1pF GJM1552C1H8R8BB01# p157 #0.25pF GJM1552C1H8R8BB01# p157 #0.25pF GJM1552C1H8R8BB01# p157 #0.5pF GJM1552C1H8R8BB01# p157 #0.5pF GJM1552C1H8R8BB01# p157 #0.1pF GJM1552C1H8R9BB01# p157 #0.1pF GJM1552C1H8R9BB01# p157 #0.25pF GJM1552C1H8R9BB01# p157 #0.5pF GJM1552C1H8R9BB01# p157 #0.5pF GJM1552C1H8R9BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.25pF GJM1552C1H9R0BB01# p157 #0.25pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R2BB01# p157 #0.25pF GJM1552C1H9R2BB01# p157 #0.25pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R4BB01# p157 #0.5pF GJM1552C1H9R5BB01# p157				8.7pF	±0.05pF	GJM1552C1H8R7WB01#	p157
#0.5pF GJM1552C1H8R7DB01# p157 8.8pF ±0.05pF GJM1552C1H8R8WB01# p157 ±0.25pF GJM1552C1H8R8BB01# p157 ±0.25pF GJM1552C1H8R8BB01# p157 ±0.5pF GJM1552C1H8R8BB01# p157 ±0.1pF GJM1552C1H8R9BB01# p157 ±0.1pF GJM1552C1H8R9BB01# p157 ±0.25pF GJM1552C1H8R9BB01# p157 ±0.5pF GJM1552C1H8R9BB01# p157 ±0.5pF GJM1552C1H8R9BB01# p157 ±0.5pF GJM1552C1H9R0BB01# p157 ±0.5pF GJM1552C1H9R0BB01# p157 ±0.5pF GJM1552C1H9R0BB01# p157 ±0.5pF GJM1552C1H9R0BB01# p157 ±0.5pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R2BB01# p157 ±0.25pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R4BB01# p157					±0.1pF	GJM1552C1H8R7BB01#	p157
8.8pF ±0.05pF GJM1552C1H8R8WB01# p157 ±0.1pF GJM1552C1H8R8BB01# p157 ±0.25pF GJM1552C1H8R8BB01# p157 ±0.5pF GJM1552C1H8R9WB01# p157 ±0.1pF GJM1552C1H8R9WB01# p157 ±0.1pF GJM1552C1H8R9BB01# p157 ±0.25pF GJM1552C1H8R9BB01# p157 ±0.5pF GJM1552C1H8R9BB01# p157 ±0.5pF GJM1552C1H8R9BB01# p157 ±0.25pF GJM1552C1H9R0WB01# p157 ±0.25pF GJM1552C1H9R0BB01# p157 ±0.25pF GJM1552C1H9R0BB01# p157 ±0.5pF GJM1552C1H9R1WB01# p157 ±0.1pF GJM1552C1H9R1BB01# p157 ±0.5pF GJM1552C1H9R1BB01# p157 ±0.5pF GJM1552C1H9R1BB01# p157 ±0.1pF GJM1552C1H9R1BB01# p157 ±0.1pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2WB01# p157 ±0.25pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.5pF GJM1552C1H9R4BB01# p157					±0.25pF	GJM1552C1H8R7CB01#	p157
#0.1pF GJM1552C1H8R8BB01# p157 #0.25pF GJM1552C1H8R8CB01# p157 #0.5pF GJM1552C1H8R9WB01# p157 #0.1pF GJM1552C1H8R9BB01# p157 #0.25pF GJM1552C1H8R9BB01# p157 #0.25pF GJM1552C1H8R9BB01# p157 #0.25pF GJM1552C1H8R9DB01# p157 #0.5pF GJM1552C1H8R9DB01# p157 #0.1pF GJM1552C1H9R0WB01# p157 #0.1pF GJM1552C1H9R0WB01# p157 #0.25pF GJM1552C1H9R0B001# p157 #0.5pF GJM1552C1H9R0B001# p157 #0.1pF GJM1552C1H9R1WB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R2WB01# p157 #0.1pF GJM1552C1H9R2WB01# p157 #0.25pF GJM1552C1H9R2BB01# p157 #0.25pF GJM1552C1H9R2BB01# p157 #0.25pF GJM1552C1H9R2BB01# p157 #0.25pF GJM1552C1H9R3BB01# p157 #0.25pF GJM1552C1H9R4WB01# p157 #0.25pF GJM1552C1H9R4WB01# p157 #0.25pF GJM1552C1H9R4WB01# p157 #0.25pF GJM1552C1H9R4WB01# p157 #0.5pF GJM1552C1H9R4BB01# p157					±0.5pF	GJM1552C1H8R7DB01#	p157
#0.25pF GJM1552C1H8R8CB01# p157 #0.5pF GJM1552C1H8R9DB01# p157 #0.1pF GJM1552C1H8R9DB01# p157 #0.25pF GJM1552C1H8R9DB01# p157 #0.5pF GJM1552C1H8R9DB01# p157 #0.5pF GJM1552C1H8R9DB01# p157 #0.5pF GJM1552C1H9R0DB01# p157 #0.1pF GJM1552C1H9R0DB01# p157 #0.25pF GJM1552C1H9R0DB01# p157 #0.5pF GJM1552C1H9R0DB01# p157 #0.5pF GJM1552C1H9R0DB01# p157 #0.1pF GJM1552C1H9R1DB01# p157 #0.25pF GJM1552C1H9R1DB01# p157 #0.25pF GJM1552C1H9R1DB01# p157 #0.5pF GJM1552C1H9R1DB01# p157 #0.5pF GJM1552C1H9R2DB01# p157 #0.25pF GJM1552C1H9R2DB01# p157 #0.25pF GJM1552C1H9R2DB01# p157 #0.5pF GJM1552C1H9R2DB01# p157 #0.5pF GJM1552C1H9R3DB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.5pF GJM1552C1H9R4DB01# p157 #0.25pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R4DB01# p157				8.8pF	±0.05pF	GJM1552C1H8R8WB01#	p157
#10.5pF GJM1552C1H8R8DB01# p157 #0.1pF GJM1552C1H8R9WB01# p157 #0.25pF GJM1552C1H8R9B01# p157 #0.5pF GJM1552C1H8R9DB01# p157 #0.5pF GJM1552C1H8R9DB01# p157 #0.5pF GJM1552C1H9R0WB01# p157 #0.1pF GJM1552C1H9R0WB01# p157 #0.25pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R1WB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R2WB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R3WB01# p157 #0.5pF GJM1552C1H9R3WB01# p157 #0.5pF GJM1552C1H9R3WB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.5pF GJM1552C1H9R4BB01# p157					±0.1pF	GJM1552C1H8R8BB01#	p157
8.9pF ±0.05pF GJM1552C1H8R9WB01# p157 ±0.25pF GJM1552C1H8R9BB01# p157 ±0.5pF GJM1552C1H8R9BB01# p157 ±0.5pF GJM1552C1H8R9BB01# p157 ±0.1pF GJM1552C1H9R0BB01# p157 ±0.1pF GJM1552C1H9R0BB01# p157 ±0.25pF GJM1552C1H9R0B01# p157 ±0.5pF GJM1552C1H9R0B01# p157 ±0.5pF GJM1552C1H9R1WB01# p157 ±0.1pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1BB01# p157 ±0.5pF GJM1552C1H9R1BB01# p157 ±0.5pF GJM1552C1H9R1BB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2WB01# p157 ±0.25pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R4BB01# p157					±0.25pF	GJM1552C1H8R8CB01#	p157
±0.1pF GJM1552C1H8R9BB01# p157 ±0.25pF GJM1552C1H8R9DB01# p157 ±0.5pF GJM1552C1H9R0BB01# p157 ±0.1pF GJM1552C1H9R0BB01# p157 ±0.1pF GJM1552C1H9R0BB01# p157 ±0.25pF GJM1552C1H9R0BB01# p157 ±0.5pF GJM1552C1H9R0BB01# p157 ±0.5pF GJM1552C1H9R0BB01# p157 ±0.1pF GJM1552C1H9R1WB01# p157 ±0.25pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1BB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.25pF GJM1552C1H9R2WB01# p157 ±0.25pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.25pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R4BB01# p157					±0.5pF	GJM1552C1H8R8DB01#	p157
#0.25pF GJM1552C1H8R9CB01# p157 #0.5pF GJM1552C1H9R0B001# p157 #0.1pF GJM1552C1H9R0B001# p157 #0.25pF GJM1552C1H9R0B001# p157 #0.5pF GJM1552C1H9R0B01# p157 #0.5pF GJM1552C1H9R0B01# p157 #0.1pF GJM1552C1H9R1WB01# p157 #0.25pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R1B001# p157 #0.5pF GJM1552C1H9R1B001# p157 #0.5pF GJM1552C1H9R1B001# p157 #0.5pF GJM1552C1H9R2WB01# p157 #0.25pF GJM1552C1H9R2WB01# p157 #0.25pF GJM1552C1H9R2B001# p157 #0.5pF GJM1552C1H9R2B001# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R4BB01# p157				8.9pF	±0.05pF	GJM1552C1H8R9WB01#	p157
#0.5pF GJM1552C1H8R9DB01# p157 #0.0pF dJM1552C1H9R0BB01# p157 #0.1pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R0BB01# p157 #0.5pF GJM1552C1H9R0B01# p157 #0.1pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R1BB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.1pF GJM1552C1H9R2BB01# p157 #0.2pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R2BB01# p157 #0.5pF GJM1552C1H9R3WB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.1pF GJM1552C1H9R3BB01# p157 #0.2pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R3BB01# p157 #0.5pF GJM1552C1H9R4BB01# p157 #0.1pF GJM1552C1H9R4BB01# p157 #0.2pF GJM1552C1H9R4BB01# p157 #0.5pF GJM1552C1H9R4BB01# p157					±0.1pF	GJM1552C1H8R9BB01#	p157
9.0pF ±0.05pF GJM1552C1H9R0WB01# p157 ±0.1pF GJM1552C1H9R0B001# p157 ±0.25pF GJM1552C1H9R0B01# p157 ±0.5pF GJM1552C1H9R0B01# p157 ±0.5pF GJM1552C1H9R1WB01# p157 ±0.1pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1BB01# p157 ±0.5pF GJM1552C1H9R1BB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2B01# p157 ±0.25pF GJM1552C1H9R2B01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R5BB01# p157					±0.25pF	GJM1552C1H8R9CB01#	p157
±0.1pF GJM1552C1H9R0BB01# p157 ±0.25pF GJM1552C1H9R0DB01# p157 ±0.5pF GJM1552C1H9R1WB01# p157 ±0.1pF GJM1552C1H9R1BB01# p157 ±0.1pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1DB01# p157 ±0.5pF GJM1552C1H9R1DB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2BB01# p157 ±0.25pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.5pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R5BB01# p157					±0.5pF	GJM1552C1H8R9DB01#	p157
#0.25pF GJM1552C1H9R0CB01# p157 #0.5pF GJM1552C1H9R0DB01# p157 9.1pF #0.05pF GJM1552C1H9R1WB01# p157 #0.1pF GJM1552C1H9R1BB01# p157 #0.25pF GJM1552C1H9R1DB01# p157 #0.5pF GJM1552C1H9R1DB01# p157 #0.5pF GJM1552C1H9R2WB01# p157 #0.1pF GJM1552C1H9R2BB01# p157 #0.25pF GJM1552C1H9R2BB01# p157 #0.25pF GJM1552C1H9R2DB01# p157 #0.5pF GJM1552C1H9R3WB01# p157 #0.1pF GJM1552C1H9R3WB01# p157 #0.1pF GJM1552C1H9R3BB01# p157 #0.25pF GJM1552C1H9R3BB01# p157 #0.25pF GJM1552C1H9R3DB01# p157 #0.5pF GJM1552C1H9R3DB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.1pF GJM1552C1H9R4BB01# p157 #0.25pF GJM1552C1H9R4BB01# p157 #0.25pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R5WB01# p157				9.0pF	±0.05pF	GJM1552C1H9R0WB01#	p157
# ±0.5pF GJM1552C1H9R0B01# p157 # ±0.05pF GJM1552C1H9R1WB01# p157 # ±0.1pF GJM1552C1H9R1BB01# p157 # ±0.25pF GJM1552C1H9R1BB01# p157 # ±0.5pF GJM1552C1H9R1BB01# p157 # ±0.05pF GJM1552C1H9R2BB01# p157 # ±0.1pF GJM1552C1H9R2BB01# p157 # ±0.25pF GJM1552C1H9R2BB01# p157 # ±0.5pF GJM1552C1H9R2BB01# p157 # ±0.5pF GJM1552C1H9R3WB01# p157 # ±0.05pF GJM1552C1H9R3BB01# p157 # ±0.1pF GJM1552C1H9R3BB01# p157 # ±0.25pF GJM1552C1H9R3BB01# p157 # ±0.5pF GJM1552C1H9R3BB01# p157 # ±0.5pF GJM1552C1H9R4BB01# p157 # ±0.1pF GJM1552C1H9R4BB01# p157 # ±0.1pF GJM1552C1H9R4BB01# p157 # ±0.5pF GJM1552C1H9R4BB01# p157 # ±0.5pF GJM1552C1H9R4BB01# p157 # ±0.5pF GJM1552C1H9R4BB01# p157 # ±0.5pF GJM1552C1H9R5BB01# p157 # ±0.1pF GJM1552C1H9R5BB01# p157					±0.1pF	GJM1552C1H9R0BB01#	p157
9.1pF ±0.05pF GJM1552C1H9R1WB01# p157 ±0.1pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1DB01# p157 ±0.5pF GJM1552C1H9R1DB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2BB01# p157 ±0.25pF GJM1552C1H9R2B01# p157 ±0.5pF GJM1552C1H9R2DB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3DB01# p157 ±0.5pF GJM1552C1H9R3DB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4WB01# p157 ±0.25pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157					±0.25pF	GJM1552C1H9R0CB01#	p157
±0.1pF GJM1552C1H9R1BB01# p157 ±0.25pF GJM1552C1H9R1CB01# p157 ±0.5pF GJM1552C1H9R1DB01# p157 ±0.5pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2BB01# p157 ±0.25pF GJM1552C1H9R2CB01# p157 ±0.5pF GJM1552C1H9R2DB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3CB01# p157 ±0.5pF GJM1552C1H9R3CB01# p157 ±0.5pF GJM1552C1H9R3DB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157					±0.5pF	GJM1552C1H9R0DB01#	p157
#0.25pF GJM1552C1H9R1CB01# p157 #0.5pF GJM1552C1H9R1DB01# p157 9.2pF #0.05pF GJM1552C1H9R2WB01# p157 #0.1pF GJM1552C1H9R2BB01# p157 #0.25pF GJM1552C1H9R2CB01# p157 #0.5pF GJM1552C1H9R2DB01# p157 #0.5pF GJM1552C1H9R3WB01# p157 #0.1pF GJM1552C1H9R3BB01# p157 #0.25pF GJM1552C1H9R3CB01# p157 #0.25pF GJM1552C1H9R3CB01# p157 #0.5pF GJM1552C1H9R3DB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.1pF GJM1552C1H9R4BB01# p157 #0.25pF GJM1552C1H9R4CB01# p157 #0.5pF GJM1552C1H9R4CB01# p157 #0.5pF GJM1552C1H9R4CB01# p157 #0.5pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R5WB01# p157 #0.1pF GJM1552C1H9R5WB01# p157				9.1pF	±0.05pF	GJM1552C1H9R1WB01#	p157
# ±0.5pF GJM1552C1H9R1DB01# p157 9.2pF ±0.05pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2BB01# p157 ±0.25pF GJM1552C1H9R2DB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.05pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3BB01# p157 ±0.5pF GJM1552C1H9R3DB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157					±0.1pF	GJM1552C1H9R1BB01#	p157
9.2pF ±0.05pF GJM1552C1H9R2WB01# p157 ±0.1pF GJM1552C1H9R2BB01# p157 ±0.25pF GJM1552C1H9R2BB01# p157 ±0.5pF GJM1552C1H9R2DB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3DB01# p157 ±0.5pF GJM1552C1H9R3DB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157					±0.25pF	GJM1552C1H9R1CB01#	p157
±0.1pF GJM1552C1H9R2BB01# p157 ±0.25pF GJM1552C1H9R2CB01# p157 ±0.5pF GJM1552C1H9R2DB01# p157 ±0.5pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3CB01# p157 ±0.5pF GJM1552C1H9R3DB01# p157 ±0.5pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4BB01# p157 ±0.5pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157					±0.5pF	GJM1552C1H9R1DB01#	p157
#0.25pF GJM1552C1H9R2CB01# p157 #0.5pF GJM1552C1H9R2DB01# p157 9.3pF #0.05pF GJM1552C1H9R3WB01# p157 #0.1pF GJM1552C1H9R3BB01# p157 #0.25pF GJM1552C1H9R3CB01# p157 #0.5pF GJM1552C1H9R3DB01# p157 #0.5pF GJM1552C1H9R4WB01# p157 #0.1pF GJM1552C1H9R4BB01# p157 #0.25pF GJM1552C1H9R4CB01# p157 #0.5pF GJM1552C1H9R4CB01# p157 #0.5pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R5WB01# p157 #0.5pF GJM1552C1H9R5WB01# p157				9.2pF	±0.05pF	GJM1552C1H9R2WB01#	p157
±0.5pF GJM1552C1H9R2DB01# p157 9.3pF ±0.05pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3CB01# p157 ±0.5pF GJM1552C1H9R3DB01# p157 9.4pF ±0.05pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157					±0.1pF	GJM1552C1H9R2BB01#	p157
9.3pF ±0.05pF GJM1552C1H9R3WB01# p157 ±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3DB01# p157 ±0.5pF GJM1552C1H9R3DB01# p157 9.4pF ±0.05pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 9.5pF ±0.05pF GJM1552C1H9R5WB01# p157 ±0.1pF GJM1552C1H9R5WB01# p157					±0.25pF	GJM1552C1H9R2CB01#	p157
±0.1pF GJM1552C1H9R3BB01# p157 ±0.25pF GJM1552C1H9R3CB01# p157 ±0.5pF GJM1552C1H9R3DB01# p157 9.4pF ±0.05pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 ±0.5pF GJM1552C1H9R5WB01# p157 ±0.1pF GJM1552C1H9R5WB01# p157					±0.5pF	GJM1552C1H9R2DB01#	p157
#0.25pF GJM1552C1H9R3CB01# p157 #0.5pF GJM1552C1H9R3DB01# p157 9.4pF #0.05pF GJM1552C1H9R4WB01# p157 #0.1pF GJM1552C1H9R4BB01# p157 #0.25pF GJM1552C1H9R4CB01# p157 #0.5pF GJM1552C1H9R4DB01# p157 #0.5pF GJM1552C1H9R5WB01# p157 #0.1pF GJM1552C1H9R5WB01# p157				9.3pF	±0.05pF	GJM1552C1H9R3WB01#	p157
±0.5pF GJM1552C1H9R3DB01# p157 9.4pF ±0.05pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 9.5pF ±0.05pF GJM1552C1H9R5WB01# p157 ±0.1pF GJM1552C1H9R5BB01# p157					±0.1pF	GJM1552C1H9R3BB01#	p157
9.4pF ±0.05pF GJM1552C1H9R4WB01# p157 ±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 9.5pF ±0.05pF GJM1552C1H9R5WB01# p157 ±0.1pF GJM1552C1H9R5BB01# p157					±0.25pF	GJM1552C1H9R3CB01#	p157
±0.1pF GJM1552C1H9R4BB01# p157 ±0.25pF GJM1552C1H9R4CB01# p157 ±0.5pF GJM1552C1H9R4DB01# p157 9.5pF ±0.05pF GJM1552C1H9R5WB01# p157 ±0.1pF GJM1552C1H9R5BB01# p157					±0.5pF	GJM1552C1H9R3DB01#	p157
±0.25pF GJM1552C1H9R4CB01 # p157 ±0.5pF GJM1552C1H9R4DB01 # p157 9.5pF ±0.05pF GJM1552C1H9R5WB01 # p157 ±0.1pF GJM1552C1H9R5BB01 # p157				9.4pF	±0.05pF	GJM1552C1H9R4WB01#	p157
±0.5pF GJM1552C1H9R4DB01# p157 9.5pF ±0.05pF GJM1552C1H9R5WB01# p157 ±0.1pF GJM1552C1H9R5BB01# p157					±0.1pF	GJM1552C1H9R4BB01#	p157
9.5pF ±0.05pF GJM1552C1H9R5WB01# p157 ±0.1pF GJM1552C1H9R5BB01# p157					±0.25pF	GJM1552C1H9R4CB01#	p157
±0.1pF GJM1552C1H9R5BB01# p157					±0.5pF	GJM1552C1H9R4DB01#	p157
				9.5pF	±0.05pF	GJM1552C1H9R5WB01#	p157
±0.25pF GJM1552C1H9R5CB01# p157					-		_
					±0.25pF	GJM1552C1H9R5CB01#	p157

Part number # indicates the package specification code.

GRM

GR3

GRJ

GRZ

MLD GJM

GA2

GA3

A3 GF

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Ξ // Σ

LLR

Σ Σ Σ

KK3

GMA

Caution GMI

 $[\]ensuremath{^*:}$ Refers to the page of the "Specifications and Test Methods".

GR3

GRJ

GA2

GD C

GA3 GF \exists

156

(→ 1.0×0.5mm)

GJM Series Temperature Compensating Type Part Number List

9.6pF	, 110	O.SMIII	',				
9.6pF				Cap.	Tol.	Part Number	р*
# 10.1pF GJM1552C1H9R6BB01# p15' #0.25pF GJM1552C1H9R6BB01# p15' #0.1pF GJM1552C1H9R7BB01# p15' #0.25pF GJM1552C1H9R7BB01# p15' #0.25pF GJM1552C1H9R7BB01# p15' #0.25pF GJM1552C1H9R7BB01# p15' #0.25pF GJM1552C1H9R8BB01# p15' #0.25pF GJM1552C1H9R9BB01# p15' #0.25pF GJM1552C1H100GB01# p15' #0.25pF GJM1552C1H130GB01# p15' #0.25pF GJM1552C1H20OGB01# p15' #0.25pF GJM1552C1H2OOGB01# p15' #0.25pF GJM1552C1H3OOGB01# p15	.55mm	50Vdc	СН	9.5pF	±0.5pF	GJM1552C1H9R5DB01#	p157
## 10.25pF GJM1552C1H9R6DB01# p15: ## 20.5pF GJM1552C1H9R7WB01# p15: ## 20.5pF GJM1552C1H9R7WB01# p15: ## 20.5pF GJM1552C1H9R7WB01# p15: ## 20.5pF GJM1552C1H9R7WB01# p15: ## 20.5pF GJM1552C1H9R8WB01# p15: ## 20.5pF GJM1552C1H9R9BB01# p15: ## 20.5pF GJM1552C1H10GB01# p15: ## 20.5pF GJM1552C1H13OJB01# p15: ## 20.5pF GJM1552C1H2OGB01# p15: ## 20.5pF GJM1552C1H2OJB01# p15: ## 20.5pF GJM1552C1H3OJB01# p15: ## 2				9.6pF	±0.05pF	GJM1552C1H9R6WB01#	p157
10.5pf GJM1552C1H9R7WBO1# p15'					±0.1pF	GJM1552C1H9R6BB01#	p157
9.7pF ±0.05pF GJM1552C1H9R7WB01# p15: ±0.25pF GJM1552C1H9R7B01# p15: ±0.5pF GJM1552C1H9R7B001# p15: ±0.5pF GJM1552C1H9R8WB01# p15: ±0.5pF GJM1552C1H9R8B001# p15: ±0.5pF GJM1552C1H9R8B001# p15: ±0.25pF GJM1552C1H9R8B001# p15: ±0.25pF GJM1552C1H9R8B001# p15: ±0.25pF GJM1552C1H9R9B001# p15: ±0.25pF GJM1552C1H9R9B001# p15: ±0.25pF GJM1552C1H9R9B001# p15: ±0.25pF GJM1552C1H9R9B001# p15: ±0.5pF GJM1552C1H9R9B001# p15: ±0.5pF GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H130JB01# p15: ±5% GJM1552C1H20JB01# p15: ±2% GJM1552C1H30JB01# p15:					±0.25pF	GJM1552C1H9R6CB01#	p157
#0.1pF dJM1552C1H9R7BB01# p15'					±0.5pF	GJM1552C1H9R6DB01#	p157
±0.25pF GJM1552C1H9R7CB01# p15' ±0.5pF GJM1552C1H9R8WB01# p15' ±0.1pF GJM1552C1H9R8BB01# p15' ±0.25pF GJM1552C1H9R9BB01# p15' ±0.25pF GJM1552C1H9R9BB01# p15' ±0.25pF GJM1552C1H9R9BB01# p15' ±0.25pF GJM1552C1H9R9BB01# p15' ±0.5pF GJM1552C1H10GB01# p15' ±5% GJM1552C1H10GB01# p15' ±5% GJM1552C1H10JB01# p15' ±5% GJM1552C1H10GB01# p15' ±5% GJM1552C1H16OJB01# p15' ±5% GJM1552C1H16OJB01# p15' ±5% GJM1552C1H16OJB01# p15' ±5% GJM1552C1H16OJB01# p15' ±5% GJM1552C1H18OJB01# p15' ±5% GJM1552C1H18OJB01# p15' ±5% GJM1552C1H20GB01# p15' ±5% GJM1552C1H20GB01# p15' ±5% GJM1552C1H20GB01# p15' ±5% GJM1552C1H20GB01# p15' ±5% GJM1552C1H20JB01# p15' ±2% GJM1552C1H20JB01# p15' ±2% GJM1552C1H20JB01# p15' ±2% GJM1552C1H20JB01# p15' ±2% GJM1552C1H20JB01# p15' ±5% GJM1552C1H30JB01# p15'				9.7pF	±0.05pF	GJM1552C1H9R7WB01#	p157
# 0.5pF cl.05pF cl.05p					±0.1pF	GJM1552C1H9R7BB01#	p157
9.8pF ±0.05pF GJM1552C1H9R8WB01# p15' ±0.1pF GJM1552C1H9R8BB01# p15' ±0.25pF GJM1552C1H9R8BB01# p15' ±0.5pF GJM1552C1H9R9BB01# p15' ±0.1pF GJM1552C1H9R9BB01# p15' ±0.25pF GJM1552C1H9R9BB01# p15' ±0.25pF GJM1552C1H9R9BB01# p15' ±0.25pF GJM1552C1H9R9BB01# p15' ±0.25pF GJM1552C1H9R9BB01# p15' ±0.5pF GJM1552C1H10GB01# p15' ±5% GJM1552C1H10GB01# p15' ±5% GJM1552C1H10JB01# p15' ±5% GJM1552C1H10JB01# p15' ±5% GJM1552C1H130JB01# p15' ±5% GJM1552C1H120JB01# p15' ±5% GJM1552C1H20JB01# p15' ±5% GJM1552C1H300JB01# p15' ±5% GJM1552C1H30JB01# p15'					±0.25pF	GJM1552C1H9R7CB01#	p157
#0.1pF GJM1552C1H9R8BB01# p15:					±0.5pF	GJM1552C1H9R7DB01#	p157
±0.25pF GJM1552C1H9R8CB01# p15: ±0.5pF GJM1552C1H9R9BB01# p15: ±0.1pF GJM1552C1H9R9BB01# p15: ±0.25pF GJM1552C1H9R9BB01# p15: ±0.25pF GJM1552C1H9R9BB01# p15: ±0.25pF GJM1552C1H9R9BB01# p15: ±0.5pF GJM1552C1H100GB01# p15: ±0.5pF GJM1552C1H100GB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H120JB01# p15: ±5% GJM1552C1H130GB01# p15: ±5% GJM1552C1H130JB01# p15: ±5% GJM1552C1H130JB01# p15: ±5% GJM1552C1H130JB01# p15: ±5% GJM1552C1H150JB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H200JB01# p15: ±5% GJM1552C1H20JB01# p15: ±5% GJM1552C1H300JB01# p15:				9.8pF	±0.05pF	GJM1552C1H9R8WB01#	p157
#0.5pF cJM1552C1H9R8DB01# p15: #0.1pF cJM1552C1H9R9BB01# p15: #0.25pF cJM1552C1H9R9BB01# p15: #0.5pF cJM1552C1H9R9DB01# p15: #0.5pF cJM1552C1H100GB01# p15: #0.5pF cJM1552C1H10JB01# p15: #0.5pp cJM1552C1H10JB01# p15: #0.5pp cJM1552C1H10JB01# p15: #0.5pp cJM1552C1H130GB01# p15: #0.5pp cJM1552C1H130GB01# p15: #0.5pp cJM1552C1H150GB01# p15: #0.5pp cJM1552C1H150GB01# p15: #0.5pp cJM1552C1H150GB01# p15: #0.5pp cJM1552C1H160GB01# p15: #0.5pp cJM1552C1H180GB01# p15: #0.5pp cJM1552C1H180GB01# p15: #0.5pp cJM1552C1H200GB01# p15: #0.5pp cJM1552C1H200GB01# p15: #0.5pp cJM1552C1H200GB01# p15: #0.5pp cJM1552C1H200GB01# p15: #0.5pp cJM1552C1H20GB01# p15: #0.5pp cJM1552C1H30GB01# p15: #0.5pp					±0.1pF	GJM1552C1H9R8BB01#	p157
9.9pF ±0.05pF GJM1552C1H9R9WB01# p15: ±0.1pF GJM1552C1H9R9BB01# p15: ±0.25pF GJM1552C1H9R9DB01# p15: ±0.5pF GJM1552C1H100GB01# p15: ±5% GJM1552C1H100JB01# p15: ±5% GJM1552C1H100JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H13JB01# p15: ±5% GJM1552C1H13JB01# p15: ±5% GJM1552C1H13OJB01# p15: ±5% GJM1552C1H13OJB01# p15: ±5% GJM1552C1H13OJB01# p15: ±5% GJM1552C1H13OJB01# p15: ±5% GJM1552C1H16OJB01# p15: ±5% GJM1552C1H16OJB01# p15: ±5% GJM1552C1H18OJB01# p15: ±5% GJM1552C1H18OJB01# p15: ±5% GJM1552C1H2OJB01# p15: ±5% GJM1552C1H3OJGB01# p15:					±0.25pF	GJM1552C1H9R8CB01#	p157
#.0.1pF GJM1552C1H9R9BB01# p15: #.0.25pF GJM1552C1H9R9CB01# p15: #.0.5pF GJM1552C1H9R9DB01# p15: #.0.5pF GJM1552C1H100GB01# p15: #.0.5pF GJM1552C1H100GB01# p15: #.0.5pF GJM1552C1H100JB01# p15: #.0.5pF GJM1552C1H10JB01# p15: #.0.5pF GJM1552C1H10JB01# p15: #.0.5pF dJM1552C1H10JB01# p15: #.0.5pF dJM1552C1H10JB01# p15: #.0.5pF dJM1552C1H10JB01# p15: #.0.5pF dJM1552C1H10JB01# p15: #.0.5pF dJM1552C1H130JB01# p15: #.0.5pF dJM1552C1H130JB01# p15: #.0.5pF dJM1552C1H150JB01# p15: #.0.5pF dJM1552C1H160JB01# p15: #.0.5pF dJM1552C1H160JB01# p15: #.0.5pF dJM1552C1H180JB01# p15: #.0.5pF dJM1552C1H200JB01# p15: #.0.5pF dJM1552C1H240JB01# p15: #.0.5pF dJM1552C1H250JB01# p15: #.0.5					±0.5pF	GJM1552C1H9R8DB01#	p157
#0.25pf GJM1552C1H9R9CB01# p15: #0.5pf GJM1552C1H100GB01# p15: #0.5pf GJM1552C1H100GB01# p15: #0.5pf GJM1552C1H100GB01# p15: #0.5pf GJM1552C1H100GB01# p15: #0.5pf GJM1552C1H100JB01# p15: #0.5pf GJM1552C1H110GB01# p15: #0.5pf GJM1552C1H110JB01# p15: #0.5pf GJM1552C1H10JB01# p15: #0.5pf GJM1552C1H120JB01# p15: #0.5pf GJM1552C1H130JB01# p15: #0.5pf GJM1552C1H130JB01# p15: #0.5pf GJM1552C1H130JB01# p15: #0.5pf GJM1552C1H150JB01# p15: #0.5pf GJM1552C1H150JB01# p15: #0.5pf GJM1552C1H160JB01# p15: #0.5pf GJM1552C1H180JB01# p15: #0.5pf GJM1552C1H180JB01# p15: #0.5pf GJM1552C1H200JB01# p15: #0.5pf GJM1552C1H200JB01# p15: #0.5pf GJM1552C1H20JB01# p15: #0.5pf GJM1552C1H300JB01# p15: #0.5pf GJM1552CH30JB01# p15: #0.5pf GJM1552CH30JB01# p15: #0.5pf GJM1552CH30JB01# p15: #0.5pf GJM1552CH				9.9pF	±0.05pF	GJM1552C1H9R9WB01#	p157
#0.5pF GJM1552C1H9R9DB01# p15: 10pF ±2% GJM1552C1H100GB01# p15: 11pF ±2% GJM1552C1H10JB01# p15: 12pF ±2% GJM1552C1H10JB01# p15: 12pF ±2% GJM1552C1H12JB01# p15: 13pF ±2% GJM1552C1H12JB01# p15: 13pF ±2% GJM1552C1H13JB01# p15: 15pF ±2% GJM1552C1H13JB01# p15: 15pF ±2% GJM1552C1H13JB01# p15: 15pF ±2% GJM1552C1H15JB01# p15: 15pF ±2% GJM1552C1H15JB01# p15: 15pF ±2% GJM1552C1H16JB01# p15: 15pF ±2% GJM1552C1H16JB01# p15: 25% GJM1552C1H18JB01# p15: 25% GJM1552C1H20JB01# p15: 25% GJM1552C1H20JB01# p15: 25% GJM1552C1H20JB01# p15: 25% GJM1552C1H20JB01# p15: 22pF ±1% GJM1552C1H20JB01# p15: 24pF ±1% GJM1552C1H20JB01# p15: 25% GJM1552C1H30JB01# p15: 25% GJM1552					±0.1pF	GJM1552C1H9R9BB01#	p157
10pF ±2% GJM1552C1H100GB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H10JB01# p15: ±5% GJM1552C1H12OGB01# p15: ±5% GJM1552C1H12OJB01# p15: ±5% GJM1552C1H13OJB01# p15: ±5% GJM1552C1H3OJB01# p15: ±5% GJM1552C1H2OJB01# p15: ±5% GJM1552C1H3OJB01# p15:					±0.25pF	GJM1552C1H9R9CB01#	p157
#5% GJM1552C1H100JB01# p15: 11pF					±0.5pF	GJM1552C1H9R9DB01#	p157
11pF ±2% GJM1552C1H110GB01# p15' ±5% GJM1552C1H120GB01# p15' ±5% GJM1552C1H120JB01# p15' ±5% GJM1552C1H130JB01# p15' ±5% GJM1552C1H130JB01# p15' ±5% GJM1552C1H130JB01# p15' ±5% GJM1552C1H150JB01# p15' ±5% GJM1552C1H150JB01# p15' ±5% GJM1552C1H150JB01# p15' ±5% GJM1552C1H160JB01# p15' ±5% GJM1552C1H160JB01# p15' ±5% GJM1552C1H180JB01# p15' ±5% GJM1552C1H180JB01# p15' ±5% GJM1552C1H180JB01# p15' ±5% GJM1552C1H200JB01# p15' ±5% GJM1552C1H200JB01# p15' ±5% GJM1552C1H220JB01# p15' ±2% GJM1552C1H220JB01# p15' ±5% GJM1552C1H220JB01# p15' ±5% GJM1552C1H240JB01# p15' ±5% GJM1552C1H240JB01# p15' ±5% GJM1552C1H270JB01# p15' ±5% GJM1552C1H270JB01# p15' ±5% GJM1552C1H300JB01# p15'				10pF	±2%	GJM1552C1H100GB01#	p157
# 55% GJM1552C1H110JB01# p15' # 12PF # 22% GJM1552C1H120GB01# p15' # 55% GJM1552C1H130GB01# p15' # 15PF # 22% GJM1552C1H130GB01# p15' # 15PF # 22% GJM1552C1H150GB01# p15' # 15PF # 22% GJM1552C1H150JB01# p15' # 15PF # 22% GJM1552C1H150JB01# p15' # 15PF # 22% GJM1552C1H160GB01# p15' # 15PF # 22% GJM1552C1H160JB01# p15' # 15PF # 22% GJM1552C1H180JB01# p15' # 15PF # 22% GJM1552C1H180JB01# p15' # 15PF # 22% GJM1552C1H200JB01# p15' # 15PF # 22% GJM1552C1H200JB01# p15' # 15PF # 22% GJM1552C1H220JB01# p15' # 15PF # 22% GJM1552C1H220JB01# p15' # 12PF # 11% GJM1552C1H240JB01# p15' # 12PF # 11% GJM1552C1H240JB01# p15' # 12PF # 11% GJM1552C1H270JB01# p15' # 12PF # 11% GJM1552C1H270JB01# p15' # 12PF # 11% GJM1552C1H300JB01# p15' # 12PF # 12PF # 15PF #					±5%	GJM1552C1H100JB01#	p157
12pF ±2% GJM1552C1H120GB01# p15' ±5% GJM1552C1H130JB01# p15' ±5% GJM1552C1H130JB01# p15' 15pF ±2% GJM1552C1H150JB01# p15' ±5% GJM1552C1H150JB01# p15' ±5% GJM1552C1H150JB01# p15' ±5% GJM1552C1H160JB01# p15' ±5% GJM1552C1H160JB01# p15' ±5% GJM1552C1H180JB01# p15' ±5% GJM1552C1H180JB01# p15' ±5% GJM1552C1H180JB01# p15' ±5% GJM1552C1H200JB01# p15' ±5% GJM1552C1H200JB01# p15' ±5% GJM1552C1H220JB01# p15' ±5% GJM1552C1H220JB01# p15' ±5% GJM1552C1H240JB01# p15' ±5% GJM1552C1H240JB01# p15' ±2% GJM1552C1H240JB01# p15' ±5% GJM1552C1H240JB01# p15' ±5% GJM1552C1H270JB01# p15' ±5% GJM1552C1H270JB01# p15' ±5% GJM1552C1H270JB01# p15' ±5% GJM1552C1H300JB01# p15' ±5% GJM1552C1H300JB01# p15' ±5% GJM1552C1H300JB01# p15' ±5% GJM1552C1H330JB01# p15' ±5% GJM1552C1H30OJB01# p15'				11pF	±2%	GJM1552C1H110GB01#	p157
#5% GJM1552C1H120JB01# p15 13pF					±5%	GJM1552C1H110JB01#	p157
13pF ±2% GJM1552C1H130GB01# p15: ±5% GJM1552C1H130JB01# p15: ±5% GJM1552C1H150JB01# p15: ±5% GJM1552C1H150JB01# p15: 16pF ±2% GJM1552C1H160GB01# p15: ±5% GJM1552C1H160JB01# p15: ±5% GJM1552C1H160JB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H200JB01# p15: ±5% GJM1552C1H200JB01# p15: ±5% GJM1552C1H220JB01# p15: ±2% GJM1552C1H220JB01# p15: ±5% GJM1552C1H240JB01# p15: ±5% GJM1552C1H270JB01# p15: ±5% GJM1552C1H270JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±2% GJM1552C1H360JB01# p15: ±2% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15:				12pF	±2%	GJM1552C1H120GB01#	p157
±5% GJM1552C1H130JB01# p15: ±5% GJM1552C1H150GB01# p15: ±5% GJM1552C1H150JB01# p15: ±5% GJM1552C1H160GB01# p15: ±5% GJM1552C1H160JB01# p15: ±5% GJM1552C1H160JB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H200JB01# p15: ±5% GJM1552C1H200JB01# p15: ±5% GJM1552C1H220JB01# p15: ±5% GJM1552C1H220JB01# p15: ±2% GJM1552C1H220JB01# p15: ±5% GJM1552C1H240JB01# p15: ±5% GJM1552C1H240JB01# p15: ±2% GJM1552C1H240JB01# p15: ±2% GJM1552C1H240JB01# p15: ±5% GJM1552C1H240JB01# p15: ±5% GJM1552C1H270JB01# p15: ±5% GJM1552C1H270JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H390JB01# p15: ±5% GJM1552C1H390JB01# p15:					±5%	GJM1552C1H120JB01#	p157
15pF ±2% GJM1552C1H150GB01# p15: 16pF ±2% GJM1552C1H160JB01# p15: ±5% GJM1552C1H160JB01# p15: ±5% GJM1552C1H160JB01# p15: ±5% GJM1552C1H180GB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H200JB01# p15: ±5% GJM1552C1H200JB01# p15: ±5% GJM1552C1H220GB01# p15: ±2% GJM1552C1H220JB01# p15: ±2% GJM1552C1H220JB01# p15: ±5% GJM1552C1H240JB01# p15: ±5% GJM1552C1H240JB01# p15: ±2% GJM1552C1H240JB01# p15: ±2% GJM1552C1H240JB01# p15: ±5% GJM1552C1H240JB01# p15: ±5% GJM1552C1H270JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H300JB01# p15: ±2% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H390JB01# p15:				13pF	±2%	GJM1552C1H130GB01#	p157
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16pF ±2% GJM1552C1H160GB01# p15: ±5% GJM1552C1H160JB01# p15: ±5% GJM1552C1H180GB01# p15: ±5% GJM1552C1H180JB01# p15: ±5% GJM1552C1H200GB01# p15: ±5% GJM1552C1H200JB01# p15: ±5% GJM1552C1H220FB01# p15: ±2% GJM1552C1H220JB01# p15: ±2% GJM1552C1H220JB01# p15: ±5% GJM1552C1H220JB01# p15: ±5% GJM1552C1H240FB01# p15: ±5% GJM1552C1H240JB01# p15: ±5% GJM1552C1H240JB01# p15: ±5% GJM1552C1H240JB01# p15: ±5% GJM1552C1H270FB01# p15: ±5% GJM1552C1H270JB01# p15: ±5% GJM1552C1H270JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H300JB01# p15: ±5% GJM1552C1H330FB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H330JB01# p15: ±5% GJM1552C1H360JB01# p15: ±5% GJM1552C1H390FB01# p15:				15pF	±2%	GJM1552C1H150GB01#	p157
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18pF ±2% GJM1552C1H180GB01# p157 ±5% GJM1552C1H200GB01# p157 ±5% GJM1552C1H200GB01# p157 ±5% GJM1552C1H220FB01# p157 ±2% GJM1552C1H220GB01# p157 ±2% GJM1552C1H220GB01# p157 ±5% GJM1552C1H220JB01# p157 ±5% GJM1552C1H240FB01# p157 ±2% GJM1552C1H240GB01# p157 ±2% GJM1552C1H240JB01# p157 ±2% GJM1552C1H240JB01# p157 ±5% GJM1552C1H270GB01# p157 ±2% GJM1552C1H270JB01# p157 ±2% GJM1552C1H270JB01# p157 ±2% GJM1552C1H270JB01# p157 ±5% GJM1552C1H300GB01# p157 ±5% GJM1552C1H300GB01# p157 ±5% GJM1552C1H330GB01# p157 ±5% GJM1552C1H330GB01# p157 ±5% GJM1552C1H330JB01# p157 ±2% GJM1552C1H330JB01# p157 ±5% GJM1552C1H330JB01# p157 ±5% GJM1552C1H330JB01# p157 ±5% GJM1552C1H330JB01# p157 ±5% GJM1552C1H360GB01# p157 ±2% GJM1552C1H360JB01# p157 ±2% GJM1552C1H360JB01# p157 ±2% GJM1552C1H360JB01# p157				16pF	±2%	GJM1552C1H160GB01#	p157
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27pF ±1% GJM1552C1H270FB01# p157 ±2% GJM1552C1H270JB01# p157 ±5% GJM1552C1H270JB01# p157 ±5% GJM1552C1H300FB01# p157 ±2% GJM1552C1H300JB01# p157 ±5% GJM1552C1H300JB01# p157 ±2% GJM1552C1H330GB01# p157 ±2% GJM1552C1H330JB01# p157 ±2% GJM1552C1H330JB01# p157 ±5% GJM1552C1H360FB01# p157 ±2% GJM1552C1H360JB01# p157 ±2% GJM1552C1H360JB01# p157 ±5% GJM1552C1H360JB01# p157 ±5% GJM1552C1H360JB01# p157 ±5% GJM1552C1H360JB01# p157 ±5% GJM1552C1H360JB01# p157							p157
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30pF ±1% GJM1552C1H300FB01# p157 ±2% GJM1552C1H300GB01# p157 ±5% GJM1552C1H300JB01# p157 ±5% GJM1552C1H330FB01# p157 ±2% GJM1552C1H330GB01# p157 ±5% GJM1552C1H330JB01# p157 ±5% GJM1552C1H360FB01# p157 ±2% GJM1552C1H360JB01# p157 ±5% GJM1552C1H360JB01# p157 ±5% GJM1552C1H360JB01# p157 ±5% GJM1552C1H390FB01# p157							p157
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33pF ±1% GJM1552C1H330FB01# p157 ±2% GJM1552C1H330GB01# p157 ±5% GJM1552C1H330JB01# p157 ±5% GJM1552C1H360FB01# p157 ±2% GJM1552C1H360GB01# p157 ±5% GJM1552C1H360JB01# p157 ±5% GJM1552C1H390FB01# p157 ±2% GJM1552C1H390GB01# p157							p157
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39pF ±1% GJM1552C1H390FB01# p155 ±2% GJM1552C1H390GB01# p155							p157
±2% GJM1552C1H390GB01# p15				20-5			Ė
				2abt			-
							p157
Refers to the page of the "Specifications and Test Methods".					±5%	GJM1552C1H390JB01#	p157

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
0.55mm	50Vdc	СН	43pF	±1%	GJM1552C1H430FB01#	p157
				±2%	GJM1552C1H430GB01#	p157
				±5%	GJM1552C1H430JB01#	p157
			47pF	±1%	GJM1552C1H470FB01#	p157
				±2%	GJM1552C1H470GB01#	p157
				±5%	GJM1552C1H470JB01#	p157

 $[\]mbox{\ensuremath{\raisebox{.4ex}{\star}}}\colon \mbox{\ensuremath{\mbox{Refers}}}$ to the page of the "Specifications and Test Methods".

GRM

GA2

GA3 GB

GA3 GD

GA3 GF

GJM Series Specifications and Test Methods (1)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Rated Voltage	è	Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, V ^{p-p} or V ^{o-p} , whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Impulse Volta	ge	No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 300% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Res	sistance (I.R.)	C ≦ 0.047μF: More than 10000MΩ C > 0.047μF: More than 500Ω • F C: Nominal Capacitance	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
7	Q		30pF and over: Q ≥ 1000 30pF and below: Q ≥ 400+20C C: Nominal Capacitance (pF)	Capacitance Frequency Voltage C ≤ 1000pF 1.0±0.1MHz 0.5 to 5.0Vrms
8	Temperature Characteristics of Capacitance		Nominal values of the temperature coefficient is shown in Rated value. But,the Capacitance Change under 20°C is shown in Table A. Capacitance Drift Within ±0.2% or ±0.05pF (Whichever is larger.)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. The capacitance drift is calculated by dividing the differences between the maximum and minimum measured values in the step 1, 3 and 5 by the cap. value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2
9			No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate shown in Fig.3. Type Applied Force (N) GJM02 1 GJM03 2 GJM15 5 Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.
		Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion
10	Vibration	· ·		10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.1.
11	Substrate Bending Test	Capacitance Change	Within ±5% or ±0.5pF (Whichever is larger)	Pressurization method: Shown in Fig.2 Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering
12	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s

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GJM Series Specifications and Test Methods (1)

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Appearance No defects or abnormalities. Capacitance Change Within ±2.5% or ±0.25pF (Whichever is larger) Test Method: Reflow soldering (hot possible from the five cycles according to shown in the following table. Appearance Change Within the specified initial value.	S C 5101, IEC60384)		
Resistance 13 Resistance 14 Resistance 15 Resistance 16 Resistance 17 Resistance 18 Resistance 19 Resistance 19 Resistance 19 Resistance 10 Resistance 10 Resistance 10 Reflow Time: 10±0.5s Test Substrate: Glass epoxy PCB Exposure Time: 24±2h Preheat: 120 to 150°C for 1min ⟨GJM03/GJM15 size⟩ Test Method: Solder bath method Solder: Sn-3.0Ag-0.5Cu Solder Temp:: 270±5°C Immersion time: 10±0.5s Exposure Time: 24±2h Preheat: 120 to 150°C for 1min ⟨GJM03/GJM15 size⟩ Test Method: Solder bath method Solder: Sn-3.0Ag-0.5Cu Solder Temp:: 270±5°C Immersion time: 10±0.5s Exposure Time: 24±2h Preheat: 120 to 150°C for 1min Solder the capacitor on the test subs Perform the five cycles according to shown in the following table. Temperature: Sudden Change Resistance Reflow Time: 10±0.5s Exposure Time: 24±2h Preheat: 120 to 150°C for 1min Solder Temp:: 270±5°C Immersion time: 10±0.5s Exposure Time: 24±2h Perform the five cycles according to shown in the following table. Solder the capacitor on the test subs Resistance Reflow Time: 10±0.5s Test Substrate: Glass epoxy PCB Exposure Time: 24±2h Preheat: 120 to 150°C for 1min ⟨GJM03/GJM15 size⟩ Test Method: Solder the capacitor on the test subs Resistance Reflow Time: 10±0.5s Test Substrate: Glass epoxy PCB Exposure Time: 24±2h Preheat: 120 to 150°C for 1min ⟨GJM03/GJM15 size⟩ Test Method: Solder the capacitor on the test subs Resistance Reflow Time: 24±2h Room Temp. Resistance Reflow Time: 10±0.5s Test Substrate: Glass epoxy PCB Resposure Time: 24±2h Room Temp. Resistance Resistance Reflow Time: 20±0°C for 1min	late)		
Hest to Soldering Heat Voltage Proof No defects. Appearance Change Voltage Proof Appearance No defects or abnormalities. Voltage Proof Appearance No defects or abnormalities. Voltage Proof Appearance No defects or abnormalities. Voltage Proof Appearance No defects. Appearance No defects. Voltage Proof Appearance No defects. Appearance No defects or abnormalities. Voltage Proof Appearance No defects or abnormalities. Appearance Change Vithin ±7.5% or ±0.75pF (Whichever is larger) Exposure Time: 24±2h Solder the capacitor on the test substant of the capacitor of of the capaci			
Temperature Sudden Change Voltage Proof Appearance Change Voltage Proof Appearance Change Within ±2.5% or ±0.25pF (Whichever is larger) L.R. Within the specified initial value. Appearance Change Appearance Change Appearance Appearance Change Appearance Change Appearance Within ±2.5% or ±0.25pF (Whichever is larger) L.R. Within the specified initial value. Appearance Change Appearance No defects. Appearance Change Within ±7.5% or ±0.75pF (Whichever is larger) Temperature Temperature Change Appearance No defects or abnormalities. Appearance Change Within ±7.5% or ±0.75pF (Whichever is larger) Text Temperature: 40±2°C Test Humidity: 90 to 95%RH Test Time: 500±12h Test Time: 500±12h			
Temperature Sudden Change Voltage Proof			
Temperature Sudden Change Voltage Proof	•		
Q Within the specified initial value. 1.R. Within the specified initial value. Voltage Proof No defects. High Temperature High Appearance Change No defects or abnormalities. 1.R. Within the specified initial value. 1.R. Within the specified initial value. 1.R. Modefects. 2 Room Temp. 4 3 Exposure Time: 24±2h Solder the capacitor on the test substream Test Temperature: 40±2°C Test Temperature: 40±2°C Test Humidity: 90 to 95%RH Test Time: 500±12h			
Change I.R. Within the specified initial value. 2 Room Temp. 3 Max. Operating Temp. +3/-4 Room Temp. 4 Room Temp. Exposure Time: 24±2h Appearance No defects or abnormalities. Capacitance Temperature Within ±7.5% or ±0.75pF (Whichever is larger) 15 High 30pF and over: Q ≥ 200 Test Time: 500±12h	Time (min) 3 30±3		
Voltage Proof No defects. 4 Room Temp. Exposure Time: 24±2h Appearance No defects or abnormalities. Capacitance Temperature Within ±7.5% or ±0.75pF (Whichever is larger) 15 High 30pF and over: Q ≥ 200 Test Time: 500±12h	2 to 3		
High Temperature Capacitance Change Within ±7.5% or ±0.75pF (Whichever is larger) Solder the capacitor on the test substance Test Temperature: 40±2°C Test Humidity: 90 to 95%RH 15 High 30pF and over: Q ≥ 200 Test Time: 500±12h	0 30±3 2 to 3		
High TemperatureCapacitance ChangeWithin ±7.5% or ±0.75pF (Whichever is larger)Test Temperature: 40±2°C Test Humidity: 90 to 95%RH15High30pF and over: Q ≥ 200Test Time: 500±12h			
30pr and over Q = 200	trate snown in Fig.3.		
Humidity (Steady) Q 30pF and below: Q ≥ 100+10C/3 C: Nominal Capacitance (pF) Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA ma Exposure Time: 24±2h	х.		
I.R. More than $500M\Omega$ or $25\Omega \cdot F$ (Whichever is smaller)			
Appearance No defects or abnormalities.			
Capacitance Change Within ±3% or ±0.3pF (Whichever is larger) Solder the capacitor on the test substant Test Temperature: Max. Operating Test	_		
Durability30pF and over: Q ≥ 350 10pF and over, 30pF and below: Q ≥ 275+5C/2 10pF and below: Q ≥ 200+10C C: Nominal Capacitance (pF)Test Time: $1000\pm12h$ Applied Voltage: 200% of the rated v Charge/discharge current: $50mA$ ma Exposure Time: $24\pm2h$			
I.R. More than $1000M\Omega$ or $50\Omega \cdot F$ (Whichever is smaller)			
$\begin{array}{c} 0.2 pF \leqq C \leqq 1pF: 700 m\Omega/C \text{ below} \\ 1pF < C \leqq 2pF: 600 m\Omega \text{ below} \\ 2pF < C \leqq 5pF: 500 m\Omega \text{ below} \\ 5pF < C \leqq 10pF: 300 m\Omega \text{ below} \\ 10pF < C \leqq 22pF: 350 m\Omega \text{ below} \\ C: Nominal Capacitance (pF) \end{array}$	emp.		
0.1pF \leq C \leq 1pF: 350mΩ/C below 1pF $<$ C \leq 5pF: 300mΩ below 5pF $<$ C \leq 10pF: 250mΩ below C: Nominal Capacitance (pF) Measurement Frequency: 1.0±0.2GH Measurement Temperature: Room To Measurement Instrument: Equivalent	emp.		
10pF < C ≤ 47pF: 400mΩ below Measurement Temperature: Room Te	Measurement Frequency: 500±50MHz Measurement Temperature: Room Temp. Measurement Instrument: Equivalent to HP8753B		

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GJM Series Specifications and Test Methods (1)

Continued from the preceding page.

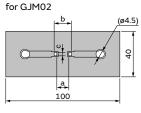
Table A

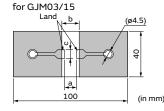
	Capacitance Change from Value at Reference Temp. (%)								
Char.	-55°C		-30°C		-25°C		-10°C		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
1C	0.54	-0.23	-	-	0.33	-0.14	0.22	-0.09	
2C	0.82	-0.45	-	-	0.49	-0.27	0.33	-0.18	
3C	1.37	-0.90	-	-	0.82	-0.54	0.55	-0.36	
4C	2.56	-1.88	-	-	1.54	-1.13	1.02	-0.75	
5C	0.58	-0.24	0.40	-0.17	-	-	0.25	-0.11	
6C	0.87	-0.48	0.59	-0.33	-	-	0.38	-0.21	

Substrate Bending Test

Test Substrate
 Material: Copper-clad laminated sheets for PCBs
 (Glass fabric base, epoxy resin)
 Thickness: 0.8mm
 : Solder resist

(Coat with heat resistant resin for solder)





Part Number	Dimension (mm)				
Pait Nullibei	a	ь	С		
GJM02	0.2	0.56	023		
GJM03	0.3	0.9	0.3		
GJM15	0.4	1.5	0.5		

Copper foil thickness: 0.018mm

Copper foil thickness: 0.035mm

Fig.1

• Kind of Solder: Sn-3.0Ag-0.5Cu

Pressurization Method

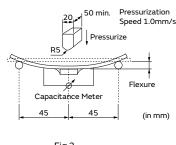


Fig.2

Adhesive Strength of Termination, Vibration, Temperature Sudden Change, Resistance to Soldering Heat (Reflow method) High Temperature High Humidity (Steady), Durability

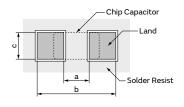
Test Substrate

Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 1.6mm or 0.8mm Copper foil thickness: 0.035mm

• Kind of Solder: Sn-3.0Ag-0.5Cu

Land Dimensions



Doub Number	Dimension (mm)				
Part Number	a	ь	С		
GJM02	0.2	0.56	023		
GJM03	0.3	0.9	0.3		
GJM15	0.4	1.5	0.5		

Fig.3

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GJM Series Specifications and Test Methods (2)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
1	1 Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, VP-P or VO-P, whichever is larger, should be maintained within the rated voltage range.		
2	Appearance		No defects or abnormalities.	Visual inspection.		
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.		
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 300% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.		
5	Insulation Res	istance (I.R.)	C ≦ 0.047μF: More than 10000MΩ C > 0.047μF: More than 500Ω • F C: Nominal Capacitance	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature		
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature		
7	Q		30pF and over: Q ≧ 1000 30pF and below: Q ≧ 400+20C C: Nominal Capacitance (pF)	Capacitance Frequency Voltage C ≤ 1000pF 1.0±0.1MHz 0.5 to 5.0Vrms		
8	Temperature 8 Characteristics of Capacitance		Nominal values of the temperature coefficient is shown in Rated value. But,the Capacitance Change under 20°C is shown in Table A. Capacitance Drift Within ±0.2% or ±0.05pF (Whichever is larger.)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. The capacitance drift is calculated by dividing the differences between the maximum and minimum measured values in the step 1, 3 and 5 by the cap. value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2		
9	9 Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate shown in Fig.3. Part Number Applied Force (N) GJM02 1 GJM03 2 GJM15 5 Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.		
		Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min)		
10	Vibration	·		Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.1.		
11	Substrate Bending Test	On a situation of Mithin a FOV and O For F		Pressurization method: Shown in Fig.2 Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering		
12	12 Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s		

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GJM Series Specifications and Test Methods (2)

Continued from the preceding page.

No	o Item		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)			
_		Appearance	No defects or abnormalities.	<gjm02 only="" size=""></gjm02>			
13		Capacitance Change	Within ±2.5% or ± 0.25pF (Whichever is larger)	Test Method: Reflow soldering (hot plate) Solder: Sn-3.0Ag-0.5Cu			
		Q	Within the specified initial value.	Solder Temp.: 270±5°C Reflow Time: 10±0.5s			
	Resistance	I.R.	Within the specified initial value.	Test Substrate: Glass epoxy PCB Exposure Time: 24±2h			
	to Soldering Heat	Voltage Proof	No defects.	Preheat: 120 to 150°C for 1min <gjm03 gjm15="" size=""> Test Method: Solder bath method Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 270±5°C Immersion time: 10±0.5s Exposure Time: 24±2h Preheat: 120 to 150°C for 1min</gjm03>			
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.			
14		Capacitance Change	Within ±2.5% or ±0.25pF (Whichever is larger)	Perform the five cycles according to the four heat treatments shown in the following table.			
	Temperature Sudden	Q	Within the specified initial value.	Step Temp. (°C) Time (min) 1 Min. Operating Temp. +0/-3 30±3			
	Change	I.R.	Within the specified initial value.	2 Room Temp. 2 to 3			
		Voltage Proof	No defects.	3 Max. Operating Temp. +3/-0 30±3			
		Appearance	No defects or abnormalities.				
	High Temperature	Capacitance Change	Within ±7.5% or ±0.75pF (Whichever is larger)	Solder the capacitor on the test substrate shown in Fig.3. Test Temperature: 40±2°C Test Humidity: 90 to 95%RH			
15	High Humidity (Steady)	umidity 0 30pF and over: Q ≥ 200 30pF and below: Q ≥ 100+10C/3		Test Time: 500±12h Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h			
		I.R.	More than $500M\Omega$ or $25\Omega \cdot F$ (Whichever is smaller)	Exposure time. 24:211			
		Appearance	No defects or abnormalities.				
		Capacitance Change	Within ±3% or ±0.3pF (Whichever is larger)	Solder the capacitor on the test substrate shown in Fig.3. Test Temperature: Max. Operating Temp. ±3°C			
16	Durability	Q	30pF and over: Q \ge 350 10pF and over, 30pF and below: Q \ge 275+5C/2 10pF and below: Q \ge 200+10C C: Nominal Capacitance (pF)	Test Time: 1000±12h Applied Voltage: 100% of the rated voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h			
		I.R.	More than $1000 \text{M}\Omega$ or 50Ω • F (Whichever is smaller)				
17	ESR (GJM02)		$0.2pF \le C \le 1pF: 700m\Omega/C$ below $1pF < C \le 2pF: 600m\Omega$ below $2pF < C \le 5pF: 500m\Omega$ below $5pF < C \le 10pF: 300m\Omega$ below $10pF < C \le 22pF: 350m\Omega$ below $C: Nominal Capacitance (pF)$	Measurement Frequency: 1.0±0.1GHz Measurement Temperature: Room Temp. Measurement Instrument: Equivalent to E4991A			
	ESR (GJM03/GJM	15)	$0.1pF \le C \le 1pF: 350m\Omega/C$ below $1pF < C \le 5pF: 300m\Omega$ below $5pF < C \le 10pF: 250m\Omega$ below $C: Nominal Capacitance (pF)$	Measurement Frequency: 1.0±0.2GHz Measurement Temperature: Room Temp. Measurement Instrument: Equivalent to BOONTON Model 34A			
	(GOLIOS) GOLITO)		10pF < C ≦ 47pF: 400mΩ below	Measurement Frequency: 500±50MHz Measurement Temperature: Room Temp. Measurement Instrument: Equivalent to HP8753B			

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Table A

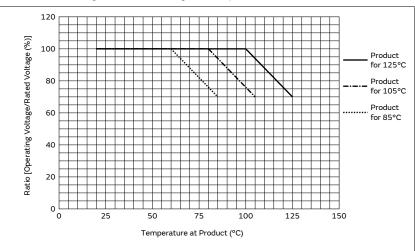
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Capacitance Change from Value at Reference Temp. (%)

GJM Series Specifications and Test Methods (2)

	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1C	0.54	-0.23	-	-	0.33	-0.14	0.22	-0.09
2C	0.82	-0.45	-	-	0.49	-0.27	0.33	-0.18
3C	1.37	-0.90	-	-	0.82	-0.54	0.55	-0.36
4C	2.56	-1.88	-	-	1.54	-1.13	1.02	-0.75
5C	0.58	-0.24	0.40	-0.17	-	-	0.25	-0.11
6C	0.87	-0.48	0.59	-0.33	-	-	0.38	-0.21

Recommended derating conditions on voltage and temperature



These Part Numbers are designed for use in the circuits where continuous applied voltage to the capacitor is derated than rated voltage, and guarantee Durability Test with 100% \times rated voltage as testing voltage at the maximum operating temperature.

The voltage and temperature derating conditions on the upside are recommended for use to ensure the same reliability level as normal specification.

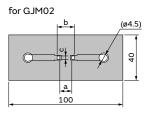
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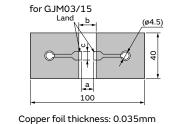
GJM Series Specifications and Test Methods (2)

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Substrate Bending Test

 Test Substrate Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin) Thickness: 0.8mm : Solder resist (Coat with heat resistant resin for solder)





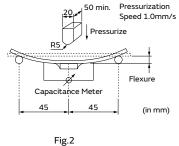
Part Number	С	Dimension (mm	1)
Part Number	a	ь	С
GJM02	0.2	0.56	023
GJM03	0.3	0.9	0.3
GJM15	0.4	1.5	0.5

Copper foil thickness: 0.018mm

Fig.1 (in mm)

• Kind of Solder: Sn-3.0Ag-0.5Cu

Pressurization Method



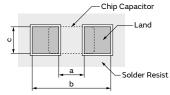
Adhesive Strength of Termination, Vibration, Temperature Sudden Change, Resistance to Soldering Heat (Reflow method) High Temperature High Humidity (Steady), Durability

Test Substrate

Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 1.6mm or 0.8mm Copper foil thickness: 0.035mm

- Kind of Solder: Sn-3.0Ag-0.5Cu
- Land Dimensions



Part Number	Dimension (mm)						
	a	ь	С				
GJM02	0.2	0.56	023				
GJM03	0.3	0.9	0.3				
GJM15	0.4	1.5	0.5				

Fig.3

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High Q and High Power Chip Multilayer Ceramic Capacitors for General Purpose

GQM Series





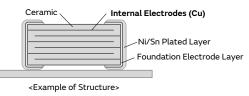


High Frequency Capacitor Ideal for PA Design of Base Stations

Features

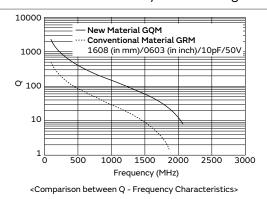
Mainly ideal for base stations of mobile communication devices and temperature compensation of related modules.

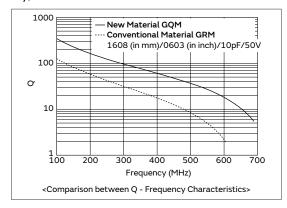
This product is ideal for temperature compensation of high frequency circuits, such as resonant circuits, tuning circuits, and impedance matching circuits where the operating characteristics of the device are greatly affected by the capacitance fluctuation.



High Q and low ESR in VHF, UHF and microwave frequency bands.

High Q and low ESR were achieved at a high frequency by adopting ceramic material as the dielectric material which enables an extremely low loss at high frequency, and base metal electrodes as the internal electrodes.





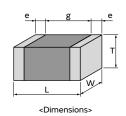
3 Can be used for tight tolerance.

In addition to standard tolerance, the allowable range of this product is also suitable for the following narrow tolerance.

Capacitance Range	Standard Capacitance Tolerance (Capacitance Tolerance Symbol)	Narrow Capacitance Tolerance (Capacitance Tolerance Symbol)
to 0.9pF	±0.1pF (B)	±0.05pF (W)
1.0 to 5.0pF	±0.25pF (C)	±0.05pF (W), ±0.1pF (B)
5.1 to 9.9pF	±0.5pF (D)	±0.05pF (W), ±0.1pF (B), ±0.25pF (C)
10pF to	±5% (J)	±2% (G)

Specifications

Size (mm)	1.0×0.5mm to 2.8×2.8mm
Rated Voltage	50Vdc to 500Vdc
Capacitance	0.10pF to 510pF
Main Applications	Measuring instruments, other ultra compact/thin devices



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

1.0×0.5mm

1.0×0.	5mm					
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	200Vdc	COG	0.10pF	±0.1pF	GQM1555C2DR10BB01#	p172
			0.20pF	±0.1pF	GQM1555C2DR20BB01#	p172
			0.30pF	±0.1pF	GQM1555C2DR30BB01#	p172
				±0.25pF	GQM1555C2DR30CB01#	p172
			0.40pF	±0.1pF	GQM1555C2DR40BB01#	p172
				±0.25pF	GQM1555C2DR40CB01#	p172
			0.50pF	±0.1pF	GQM1555C2DR50BB01#	p172
				±0.25pF	GQM1555C2DR50CB01#	p172
			0.60pF	±0.1pF	GQM1555C2DR60BB01#	p172
				±0.25pF	GQM1555C2DR60CB01#	p172
			0.70pF	±0.1pF	GQM1555C2DR70BB01#	p172
				±0.25pF	GQM1555C2DR70CB01#	p172
			0.75pF	±0.1pF	GQM1555C2DR75BB01#	p172
				±0.25pF	GQM1555C2DR75CB01#	p172
			0.80pF	±0.1pF	GQM1555C2DR80BB01#	p172
				±0.25pF	GQM1555C2DR80CB01#	p172
			0.90pF	±0.1pF	GQM1555C2DR90BB01#	p172
				±0.25pF	GQM1555C2DR90CB01#	p172
			1.0pF	±0.1pF	GQM1555C2D1R0BB01#	p172
				±0.25pF	GQM1555C2D1R0CB01#	p172
			1.1pF	±0.1pF	GQM1555C2D1R1BB01#	p172
				±0.25pF	GQM1555C2D1R1CB01#	p172
			1.2pF	±0.1pF	GQM1555C2D1R2BB01#	p172
				±0.25pF	GQM1555C2D1R2CB01#	p172
			1.3pF	±0.1pF	GQM1555C2D1R3BB01#	p172
					GQM1555C2D1R3CB01#	p172
			1.5pF	±0.1pF	GQM1555C2D1R5BB01#	p172
					GQM1555C2D1R5CB01#	p172
			1.6pF	±0.1pF	GQM1555C2D1R6BB01#	p172
			105		GQM1555C2D1R6CB01#	p172
			1.8pF	±0.1pF		i
			20.5	-	GQM1555C2D1R8CB01#	p172
			2.0pF	±0.1pF	GQM1555C2D2R0BB01#	p172
			2.2-5	±0.25pF	GQM1555C2D2R0CB01#	p172
			2.2pF	±0.1pF	GQM1555C2D2R2BB01#	p172
			2.4pE	-	GQM1555C2D2R2CB01#	p172
			2.4pF	±0.1pF	GQM1555C2D2R4BB01# GQM1555C2D2R4CB01#	p172
			2.7pF	±0.25pi	GQM1555C2D2R7BB01#	p172
			2.7 με		GQM1555C2D2R7CB01#	p172
			3.0pF	±0.25pF		p172
			3.0pr	<u> </u>	GQM1555C2D3R0BB01# GQM1555C2D3R0CB01#	i –
			2 2nE		-	p172
			3.3pF	±0.1pF +0.25pF	GQM1555C2D3R3BB01# GQM1555C2D3R3CB01#	p172 p172
			3.6pF		GQM1555C2D3R6BB01#	p172
			J.0pi	•	GQM1555C2D3R6CB01#	p172
			3.9pF	±0.25pi	GQM1555C2D3R9BB01#	p172
				•	GQM1555C2D3R9CB01#	p172
			4.0pF	±0.1pF	GQM1555C2D4R0BB01#	p172
				-	GQM1555C2D4R0CB01#	p172
			4.3pF	±0.1pF	GQM1555C2D4R3BB01#	p172
				-	GQM1555C2D4R3CB01#	p172
				pi		12.7

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	200Vdc	COG	4.7pF	±0.1pF	GQM1555C2D4R7BB01#	p172
				±0.25pF	GQM1555C2D4R7CB01#	p172
			5.0pF	±0.1pF	GQM1555C2D5R0BB01#	p172
				±0.25pF	GQM1555C2D5R0CB01#	p172
			5.1pF	±0.1pF	GQM1555C2D5R1BB01#	p172
				±0.25pF	GQM1555C2D5R1CB01#	p172
			5.6pF	±0.1pF	GQM1555C2D5R6BB01#	p172
				±0.25pF	GQM1555C2D5R6CB01#	p172
			6.0pF	±0.1pF	GQM1555C2D6R0BB01#	p172
			·	-	GQM1555C2D6R0CB01#	p172
			6.2pF	±0.1pF	GQM1555C2D6R2BB01#	p172
					GQM1555C2D6R2CB01#	<u> </u>
			6.8pF	-	GQM1555C2D6R8BB01#	<u> </u>
			о.ор.		GQM1555C2D6R8CB01#	p172
			7.0pF		GQM1555C2D7R0BB01#	-
			7.0pi		-	i -
			7 5 5 5	-	GQM1555C2D7R0CB01#	i –
			7.5pF	±0.1pF	GQM1555C2D7R5BB01#	p172
			00-5	-	GQM1555C2D7R5CB01#	p172
			8.0pF	±0.1pF	GQM1555C2D8R0BB01#	p172
			00.5	-	GQM1555C2D8R0CB01#	p172
			8.2pF	±0.1pF	GQM1555C2D8R2BB01#	p172
				-	GQM1555C2D8R2CB01#	p172
			9.0pF	±0.1pF	GQM1555C2D9R0BB01#	p172
				±0.25pF	GQM1555C2D9R0CB01#	p172
			9.1pF	±0.1pF	GQM1555C2D9R1BB01#	p172
				±0.25pF	GQM1555C2D9R1CB01#	p172
			10pF	±2%	GQM1555C2D100GB01#	p172
				±5%	GQM1555C2D100JB01#	p172
			11pF	±2%	GQM1555C2D110GB01#	p172
				±5%	GQM1555C2D110JB01#	p172
			12pF	±2%	GQM1555C2D120GB01#	p172
				±5%	GQM1555C2D120JB01#	p172
			13pF	±2%	GQM1555C2D130GB01#	p172
				±5%	GQM1555C2D130JB01#	p172
			15pF	±2%	GQM1555C2D150GB01#	p172
				±5%	GQM1555C2D150JB01#	p172
			16pF	±2%	GQM1555C2D160GB01#	p172
				±5%	GQM1555C2D160JB01#	p172
			18pF	±2%	GQM1555C2D180GB01#	p172
				±5%	GQM1555C2D180JB01#	p172
			20pF	±2%	GQM1555C2D200GB01#	p172
				±5%	GQM1555C2D200JB01#	p172
			22pF	±2%	GQM1555C2D220GB01#	p172
			'	±5%	GQM1555C2D220JB01#	p172
			24pF	±2%	GQM1555C2D240GB01#	p172
			6.	±5%	GQM1555C2D240JB01#	p172
			27pF	±2%	GQM1555C2D270GB01#	i –
			- · P·	±5%	GQM1555C2D270JB01#	p172
			30pF	±2%	GQM1555C2D300GB01#	<u> </u>
			20h		GQM1555C2D300GB01#	·
			32nE	±5%		p172
			33pF	±2%	GQM1555C2D330GB01#	
	100//-1	000	20-5	±5%	GQM1555C2D330JB01#	p172
	100Vdc	COG	36pF	±2%	GQM1555C2A360GB01#	p172
				±5%	GQM1555C2A360JB01#	p172

GR3

GRJ

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GMD

Caution

 $[\]ensuremath{^{*:}}$ Refers to the page of the "Specifications and Test Methods".

KR3

(→ 1.0×0.5mm)

Cap. Part Number Voltage 0.55mm 100Vdc C0G ±2% GQM1555C2A390GB01# p172 39pF GQM1555C2A390JB01# p172 GQM1555C2A430GB01# p172 43pF ±2% ±5% GQM1555C2A430JB01# p172 **GQM1555C2A470GB01#** p172 47pF ±2% **GQM1555C2A470JB01**# p172 ±5%

1.6×0.	.8mm					
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.8mm	250Vdc	COG	1.0pF	±0.1pF	GQM1875C2E1R0BB12#	p178
				±0.25pF	GQM1875C2E1R0CB12#	p178
			1.1pF	±0.1pF	GQM1875C2E1R1BB12#	p178
				±0.25pF	GQM1875C2E1R1CB12#	p178
			1.2pF	±0.1pF	GQM1875C2E1R2BB12#	p178
				±0.25pF	GQM1875C2E1R2CB12#	p178
			1.3pF	±0.1pF	GQM1875C2E1R3BB12#	p178
				±0.25pF	GQM1875C2E1R3CB12#	p178
			1.5pF	±0.1pF	GQM1875C2E1R5BB12#	p178
				±0.25pF	GQM1875C2E1R5CB12#	p178
			1.6pF	±0.1pF	GQM1875C2E1R6BB12#	p178
				±0.25pF	GQM1875C2E1R6CB12#	p178
			1.8pF	±0.1pF	GQM1875C2E1R8BB12#	p178
				±0.25pF	GQM1875C2E1R8CB12#	p178
			2.0pF	±0.1pF	GQM1875C2E2R0BB12#	p178
				±0.25pF	GQM1875C2E2R0CB12#	p178
			2.2pF	±0.1pF	GQM1875C2E2R2BB12#	p178
				±0.25pF	GQM1875C2E2R2CB12#	p178
			2.4pF	±0.1pF	GQM1875C2E2R4BB12#	p178
			27.5	±0.25pF	GQM1875C2E2R4CB12#	p178
			2.7pF	±0.1pF	GQM1875C2E2R7BB12#	p178
				±0.25pF	GQM1875C2E2R7CB12#	p178
			3.0pF	±0.1pF	GQM1875C2E3R0BB12#	p178
				±0.25pF	GQM1875C2E3R0CB12#	p178
			3.3pF	±0.1pF	GQM1875C2E3R3BB12#	p178
					GQM1875C2E3R3CB12#	p178
			3.6pF	±0.1pF	GQM1875C2E3R6BB12#	p178
					GQM1875C2E3R6CB12#	p178
			3.9pF	±0.1pF	GQM1875C2E3R9BB12#	p178
				· ·	GQM1875C2E3R9CB12#	p178
			4.0pF	±0.1pF	GQM1875C2E4R0BB12#	p178
				· ·	GQM1875C2E4R0CB12#	p178
			4.3pF	-	GQM1875C2E4R3BB12#	p178
				· ·	GQM1875C2E4R3CB12#	p178
			4.7pF	±0.1pF	GQM1875C2E4R7BB12#	p178
			F 0:- F	-	GQM1875C2E4R7CB12#	p178
			5.0pF	±0.1pF	GQM1875C2E5R0BB12#	p178
			E 1F	· ·	GQM1875C2E5R0CB12#	p178
			5.1pF	-	GQM1875C2E5R1CB12#	p178
			F 6F	-	GQM1875C2E5R1DB12#	p178
			5.6pF		GQM1875C2E5R6CB12#	p178
			6055	±0.5pF	GQM1875C2E5R6DB12#	p178
		<u></u>	6.0pF		GQM1875C2E6R0CB12#	p178

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.8mm	250Vdc	COG	6.0pF	±0.5pF	GQM1875C2E6R0DB12#	p178
			6.2pF	±0.25pF	GQM1875C2E6R2CB12#	p178
				±0.5pF	GQM1875C2E6R2DB12#	p178
			6.8pF	±0.25pF	GQM1875C2E6R8CB12#	p178
				±0.5pF	GQM1875C2E6R8DB12#	p178
			7.0pF	±0.25pF	GQM1875C2E7R0CB12#	p178
				±0.5pF	GQM1875C2E7R0DB12#	p178
			7.5pF	±0.25pF	GQM1875C2E7R5CB12#	p178
				±0.5pF	GQM1875C2E7R5DB12#	p178
			8.0pF	±0.25pF	GQM1875C2E8R0CB12#	p178
				±0.5pF	GQM1875C2E8R0DB12#	p178
			8.2pF	±0.25pF	GQM1875C2E8R2CB12#	p178
				±0.5pF	GQM1875C2E8R2DB12#	p178
			9.0pF	±0.25pF	GQM1875C2E9R0CB12#	p178
				±0.5pF	GQM1875C2E9R0DB12#	p178
			9.1pF		GQM1875C2E9R1CB12#	p178
				±0.5pF	GQM1875C2E9R1DB12#	p178
			10pF	±2%	GQM1875C2E100GB12#	p178
				±5%	GQM1875C2E100JB12#	p178
			11pF	±2%	GQM1875C2E110GB12#	p178
			12	±5%	GQM1875C2E110JB12#	p178
			12pF	±2%	GQM1875C2E120GB12#	p178
			1255	±5%	GQM1875C2E120JB12#	p178
			13pF	±2%	GQM1875C2E130GB12#	p178
			15pF	±5% ±2%	GQM1875C2E130JB12# GQM1875C2E150GB12#	p178
			1361	±5%	GQM1875C2E150JB12#	p178
			16pF	±2%	GQM1875C2E160GB12#	p178
			1001	±5%	GQM1875C2E160JB12#	p178
			18pF	±2%	GQM1875C2E180GB12#	p178
				±5%	GQM1875C2E180JB12#	p178
			20pF	±2%	GQM1875C2E200GB12#	p178
				±5%	GQM1875C2E200JB12#	p178
			22pF	±2%	GQM1875C2E220GB12#	p178
				±5%	GQM1875C2E220JB12#	p178
			24pF	±2%	GQM1875C2E240GB12#	p178
				±5%	GQM1875C2E240JB12#	p178
			27pF	±2%	GQM1875C2E270GB12#	p178
				±5%	GQM1875C2E270JB12#	p178
			30pF	±2%	GQM1875C2E300GB12#	p178
				±5%	GQM1875C2E300JB12#	p178
			33pF	±2%	GQM1875C2E330GB12#	p178
				±5%	GQM1875C2E330JB12#	p178
			36pF	±2%	GQM1875C2E360GB12#	p178
				±5%	GQM1875C2E360JB12#	p178
			39pF	±2%	GQM1875C2E390GB12#	p178
				±5%	GQM1875C2E390JB12#	p178
			43pF	±2%	GQM1875C2E430GB12#	p178
				±5%	GQM1875C2E430JB12#	p178
			47pF	±2%	GQM1875C2E470GB12#	p178
				±5%	GQM1875C2E470JB12#	p178
		X8G	1.0pF	±0.1pF	GQM1875G2E1R0BB12#	p175
				±0.25pF	GQM1875G2E1R0CB12#	p175
-			1.1pF	±0.1pF	GQM1875G2E1R1BB12#	p175

Name	(→ 1.6	«0.8mm	1)	•		•	
1.pp	Т	Rated	тс	Cap.	Tol.	Part Number	p*
10.25pf GQM1875G2E1R2GB12# 0175	0.8mm	250Vdc	X8G	1.1pF	±0.25pF	GQM1875G2E1R1CB12#	p175
1.3pF				1.2pF	±0.1pF	GQM1875G2E1R2BB12#	p175
1.5pF 1.5pF 1.5pF 1.5pF 1.5pF 1.0.25pF 1.					±0.25pF	GQM1875G2E1R2CB12#	p175
1.5pF				1.3pF	±0.1pF	GQM1875G2E1R3BB12#	p175
10.25pF GQM1875G2E1R5CB12# 0.175 1.6pF 10.1pF GQM1875G2E1R6B812# 0.175 1.8pF 10.1pF GQM1875G2E1R8BB12# 0.175 1.025pF GQM1875G2E1R8BB12# 0.175 1.025pF GQM1875G2E2R0BB12# 0.175 1.025pF GQM1875G2E3R0BB12# 0.175 1.025pF GQM1875G2E4R0BB12# 0.175 1.025pF GQM1875G2E4R0BB12# 0.175 1.025pF GQM1875G2E4R0BB12# 0.175 1.025pF GQM1875G2E4R0BB12# 0.175 1.025pF GQM1875G2E5R0BB12# 0.175 1.025pF GQM1875G2E5					±0.25pF	GQM1875G2E1R3CB12#	p175
1.6pf 10.1pf 10.1pf 10.1pf 10.2pp 10				1.5pF	±0.1pF	GQM1875G2E1R5BB12#	p175
±0.25pF GQM1875G2E1R6CB12# 2175 ±0.25pF GQM1875G2E1R8CB12# 2175 ±0.25pF GQM1875G2E2R0CB12# 2175 ±0.25pF GQM1875G2E2RACBB12# 2175 ±0.25pF GQM1875G2E3R0CB12# 2175 ±0.25pF GQM1875G2E4R0CB12# 2175 ±0.25pF GQM1875G2E5R0CB12# 2175					±0.25pF	GQM1875G2E1R5CB12#	p175
1.8pF				1.6pF			-
#0.25pf GQM1875G2E1R8CB12# p175 2.0pf ±0.1pf GQM1875G2E2R0BB12# p175 2.2pf ±0.1pf GQM1875G2E2R2BB12# p175 2.2pf ±0.1pf GQM1875G2E2R2BB12# p175 2.4pf ±0.1pf GQM1875G2E2R2BB12# p175 2.4pf ±0.1pf GQM1875G2E2R4BB12# p175 2.025pf GQM1875G2E2R4BB12# p175 2.025pf GQM1875G2E2R4BB12# p175 2.025pf GQM1875G2E2R4BB12# p175 3.0pf ±0.1pf GQM1875G2E3R0BB12# p175 40.25pf GQM1875G2E3R0BB12# p175 40.25pf GQM1875G2E3R3BB12# p175 40.25pf GQM1875G2E3R3GB12# p175 40.25pf GQM1875G2E4R3BB12# p175 40.25pf GQM1875G2E5R0BB12# p175 40.5pf GQM1875G2E6R0CB12# p175 40.5pf GQM1875G2E8R0CB12# p175 40.5pf GQM1875G2E8R0CB12# p175 40.5pf GQM1875G2E8R0CB12# p175 40.5pf GQM1875G2E8R0CB12				105	-		<u> </u>
2.0pF				1.8pF		-	_
±0.25pF GQM1875G2E2R0CB12# p175 c0.25pF GQM1875G2E2R2BB12# p175 c0.25pF GQM1875G2E2R2BB12# p175 c0.25pF GQM1875G2E2R3BB12# p175 c0.25pF GQM1875G2E2R3BB12# p175 c0.25pF GQM1875G2E2R3BB12# p175 c0.25pF GQM1875G2E3R0BB12# p175 c0.25pF GQM1875G2E4R0BB12# p175 c0.25pF GQM1875G2E4R0BB12# p175 c0.25pF GQM1875G2E4R3BB12# p175 c0.25pF GQM1875G2E4R3BB12# p175 c0.25pF GQM1875G2E4R3BB12# p175 c0.25pF GQM1875G2E4R7BB12# p175 c0.25pF GQM1875G2E4R7BB12# p175 c0.25pF GQM1875G2E4R7BB12# p175 c0.25pF GQM1875G2E5R0BB12# p175 c0.25pF GQM1875G2E6R0BB12#				2 OpE	-		i
2.2pF ±0.1pF GQM1875G2E2R2BB12# p175				2.0pr			_
±0.25pF				2 2nF	-		<u> </u>
2.4pF ±0.1pF qqm1875q2e2R4BB12# p175				p.	-	-	
±0.25pF dQM1875G2E2R4CB12# p175 2.7pF ±0.1pF dQM1875G2E2R7BB12# p175 3.0pF ±0.1pF dQM1875G2E3R0BB12# p175 2.0.25pF dQM1875G2E3R0BB12# p175 3.3pF ±0.1pF dQM1875G2E3R3BB12# p175 2.0.25pF dQM1875G2E3R9BB12# p175 2.0.25pF dQM1875G2E4R0BB12# p175 2.0.25pF dQM1875G2E4R0BB12# p175 2.0.25pF dQM1875G2E4R3BB12# p175 2.0.25pF dQM1875G2E4R3BB12# p175 2.0.25pF dQM1875G2E4R3BB12# p175 2.0.25pF dQM1875G2E4R7CB12# p175 2.0.25pF dQM1875G2E4R7CB12# p175 2.0.25pF dQM1875G2E5R0BB12# p175 2.0.25pF dQM1875G2E5R0B12# p175 2.0.25pF dQM1875G2E5R0B12# p175 2.0.25pF dQM1875G2E5R0B12# p175 2.0.25pF dQM1875G2E5R0B12# p175 2.0.5pF dQM1875G2E5R0B12# p175 2.0.				2.4pF		-	
#0.25pF GQM1875G2E2R7CB12# p175 #0.25pF GQM1875G2E3R0BB12# p175 #0.25pF GQM1875G2E3R0BB12# p175 #0.25pF GQM1875G2E3R3BB12# p175 #0.25pF GQM1875G2E3R3BB12# p175 #0.25pF GQM1875G2E3R3CB12# p175 #0.25pF GQM1875G2E4R0BB12# p175 #0.25pF GQM1875G2E4R0BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3CB12# p175 #0.25pF GQM1875G2E4R7CB12# p175 #0.25pF GQM1875G2E5R0BB12# p175 #0.25pF GQM1875G2E5R0B12# p175 #0.25pF GQM1875G2E5R0B12# p175 #0.25pF GQM1875G2E5R0B12# p175 #0.5pF GQM1875G2E6R0B12# p175 #0.5pF GQM1875G2E7R0B12# p175 #0.5pF GQM1875G2E8R0B12# p175				·	-	-	
3.0pF ±0.1pF				2.7pF	±0.1pF	GQM1875G2E2R7BB12#	p175
#0.25pF GQM1875G2E3R0CB12# p175 #0.25pF GQM1875G2E3R3BB12# p175 #0.25pF GQM1875G2E3R3BB12# p175 #0.25pF GQM1875G2E3R3CB12# p175 #0.25pF GQM1875G2E4R0BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R7CB12# p175 #0.25pF GQM1875G2E5R0B12# p175 #0.5pF GQM1875G2ESR0B12# p175 #0.5pF GQM1875G2ESR0B12# p175 #0.5pF GQM1875G2ESR0B12# p175					±0.25pF	GQM1875G2E2R7CB12#	p175
3.3pF ±0.1pF GQM1875G2E3R3BB12# p175 ±0.25pF GQM1875G2E3R3CB12# p175 3.6pF ±0.1pF GQM1875G2E3R6CB12# p175 ±0.25pF GQM1875G2E3R6CB12# p175 ±0.25pF GQM1875G2E3R9CB12# p175 ±0.25pF GQM1875G2E3R9CB12# p175 ±0.25pF GQM1875G2E3R9CB12# p175 ±0.25pF GQM1875G2E4R0BB12# p175 ±0.25pF GQM1875G2E4R0BB12# p175 ±0.25pF GQM1875G2E4R3BB12# p175 ±0.25pF GQM1875G2E4R3BB12# p175 ±0.25pF GQM1875G2E4R7BB12# p175 ±0.25pF GQM1875G2E4R7BB12# p175 ±0.25pF GQM1875G2E4R7BB12# p175 ±0.25pF GQM1875G2E5R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R0B12# p175 ±0.5pF GQM1875G2E8R0CB12# p175				3.0pF	±0.1pF	GQM1875G2E3R0BB12#	p175
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3.6pF ±0.1pF GQM1875G2E3R6BB12# p175 ±0.25pF GQM1875G2E3R6CB12# p175 ±0.25pF GQM1875G2E3R9BB12# p175 ±0.25pF GQM1875G2E3R9CB12# p175 ±0.25pF GQM1875G2E4R0BB12# p175 ±0.25pF GQM1875G2E4R0BB12# p175 ±0.25pF GQM1875G2E4R3BB12# p175 ±0.25pF GQM1875G2E4R3BB12# p175 ±0.25pF GQM1875G2E4R3CB12# p175 ±0.25pF GQM1875G2E4R3CB12# p175 ±0.25pF GQM1875G2E4R7CB12# p175 ±0.25pF GQM1875G2E4R7CB12# p175 ±0.25pF GQM1875G2E5R0CB12# p175 ±0.25pF GQM1875G2E5R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175				3.3pF	±0.1pF	GQM1875G2E3R3BB12#	p175
#0.25pF GQM1875G2E3R6CB12# p175 #0.1pF GQM1875G2E3R9BB12# p175 #0.25pF GQM1875G2E3R9CB12# p175 #0.25pF GQM1875G2E4R0BB12# p175 #0.25pF GQM1875G2E4R0CB12# p175 #0.25pF GQM1875G2E4R0CB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R7BB12# p175 #0.25pF GQM1875G2E4R7CB12# p175 #0.25pF GQM1875G2E5R0CB12# p175 #0.25pF GQM1875G2E5R0CB12# p175 #0.25pF GQM1875G2E5R0CB12# p175 #0.5pF GQM1875G2E5R0CB12# p175 #0.5pF GQM1875G2E5R0CB12# p175 #0.5pF GQM1875G2E5R0CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R2CB12# p175 #0.5pF GQM1875G2E6R2CB12# p175 #0.5pF GQM1875G2E6R8CB12# p175 #0.5pF GQM1875G2E6R8CB12# p175 #0.5pF GQM1875G2E6R8CB12# p175 #0.5pF GQM1875G2E7R0CB12# p175 #0.5pF GQM1875G2E7R5CB12# p175 #0.5pF GQM1875G2E7R5CB12# p175 #0.5pF GQM1875G2E7R5CB12# p175 #0.5pF GQM1875G2E8R0CB12# p175					±0.25pF	GQM1875G2E3R3CB12#	p175
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#0.25pF GQM1875G2E3R9CB12# p175 #0.25pF GQM1875G2E4R0BB12# p175 #0.25pF GQM1875G2E4R0BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R7BB12# p175 #0.25pF GQM1875G2E5R0BB12# p175 #0.25pF GQM1875G2E5R0BB12# p175 #0.25pF GQM1875G2E5R0CB12# p175 #0.25pF GQM1875G2E5R0CB12# p175 #0.25pF GQM1875G2E5R1CB12# p175 #0.5pF GQM1875G2E5R1CB12# p175 #0.5pF GQM1875G2E5R6CB12# p175 #0.5pF GQM1875G2E5R6CB12# p175 #0.5pF GQM1875G2E5R6CB12# p175 #0.5pF GQM1875G2E5R6CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R2CB12# p175 #0.5pF GQM1875G2E6R2CB12# p175 #0.5pF GQM1875G2E6R8CB12# p175 #0.5pF GQM1875G2E6R8CB12# p175 #0.5pF GQM1875G2E7R0CB12# p175 #0.5pF GQM1875G2E7R0CB12# p175 #0.5pF GQM1875G2E7R5CB12# p175					-		<u> </u>
### ### ##############################				3.9pF	· ·	-	
#0.25pF GQM1875G2E4R0CB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R3BB12# p175 #0.25pF GQM1875G2E4R7BB12# p175 #0.25pF GQM1875G2E4R7BB12# p175 #0.25pF GQM1875G2E5R0CB12# p175 #0.25pF GQM1875G2E5R0CB12# p175 #0.25pF GQM1875G2E5R0CB12# p175 #0.5pF GQM1875G2E5R1CB12# p175 #0.5pF GQM1875G2E5R1CB12# p175 #0.5pF GQM1875G2E5R6CB12# p175 #0.5pF GQM1875G2E5R6CB12# p175 #0.5pF GQM1875G2E5R6CB12# p175 #0.5pF GQM1875G2E5R6CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R0CB12# p175 #0.5pF GQM1875G2E6R2CB12# p175 #0.5pF GQM1875G2E6R2CB12# p175 #0.5pF GQM1875G2E6R8CB12# p175 #0.5pF GQM1875G2E6R8CB12# p175 #0.5pF GQM1875G2E6R8CB12# p175 #0.5pF GQM1875G2E7R0CB12# p175 #0.5pF GQM1875G2E7R0CB12# p175 #0.5pF GQM1875G2E7R0CB12# p175 #0.5pF GQM1875G2E7R5CB12# p175 #0.5pF GQM1875G2E7R5CB12# p175 #0.5pF GQM1875G2E8R0CB12# p175 #0.5pF GQM1875G2E8R2CB12# p175				4.0nE	-		_
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4.7pF ±0.1pF GQM1875G2E4R7BB12# p175 ±0.25pF GQM1875G2E4R7CB12# p175 5.0pF ±0.1pF GQM1875G2E5R0BB12# p175 ±0.25pF GQM1875G2E5R0BB12# p175 ±0.25pF GQM1875G2E5R1CB12# p175 ±0.5pF GQM1875G2E5R1CB12# p175 ±0.5pF GQM1875G2E5R1DB12# p175 ±0.5pF GQM1875G2E5R6CB12# p175 ±0.5pF GQM1875G2E5R6CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 7.5pF ±0.25pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175				4.3pF	-		-
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±0.25pF GQM1875G2E5R0CB12# p175 5.1pF ±0.25pF GQM1875G2E5R1CB12# p175 ±0.5pF GQM1875G2E5R1DB12# p175 5.6pF ±0.25pF GQM1875G2E5R6CB12# p175 ±0.5pF GQM1875G2E5R6CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 £0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 7.0pF ±0.25pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175 ±0.5pF GQM1875G2E8R2CB12# p175					±0.25pF	GQM1875G2E4R7CB12#	p175
5.1pF ±0.25pF GQM1875G2E5R1CB12# p175 ±0.5pF GQM1875G2E5R1DB12# p175 5.6pF ±0.25pF GQM1875G2E5R6CB12# p175 ±0.5pF GQM1875G2E5R6CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 7.0pF ±0.25pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175				5.0pF	±0.1pF	GQM1875G2E5R0BB12#	p175
±0.5pF GQM1875G2E5R1DB12# p175 5.6pF ±0.25pF GQM1875G2E5R6CB12# p175 ±0.5pF GQM1875G2E5R6CB12# p175 6.0pF ±0.25pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R0CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R2CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E6R8CB12# p175 7.0pF ±0.25pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R0CB12# p175 7.5pF ±0.25pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175					±0.25pF	GQM1875G2E5R0CB12#	p175
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6.8pF ±0.25pF GQM1875G2E6R8CB12# p175 ±0.5pF GQM1875G2E6R8DB12# p175 7.0pF ±0.25pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R0DB12# p175 20.5pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5DB12# p175 8.0pF ±0.25pF GQM1875G2E7R5DB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175 ±0.5pF GQM1875G2E8R0DB12# p175 8.2pF ±0.25pF GQM1875G2E8R2CB12# p175 ±0.5pF GQM1875G2E8R2CB12# p175							<u> </u>
±0.5pF GQM1875G2E6R8DB12# p175 7.0pF ±0.25pF GQM1875G2E7R0CB12# p175 ±0.5pF GQM1875G2E7R0DB12# p175 7.5pF ±0.25pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5DB12# p175 8.0pF ±0.25pF GQM1875G2E8R0CB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175 ±0.5pF GQM1875G2E8R2CB12# p175 ±0.5pF GQM1875G2E8R2CB12# p175				6.8pF			_
±0.5pF GQM1875G2E7R0DB12# p175 7.5pF ±0.25pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5DB12# p175 8.0pF ±0.25pF GQM1875G2E8R0CB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175 8.2pF ±0.25pF GQM1875G2E8R2CB12# p175 ±0.5pF GQM1875G2E8R2CB12# p175					±0.5pF	GQM1875G2E6R8DB12#	p175
7.5pF ±0.25pF GQM1875G2E7R5CB12# p175 ±0.5pF GQM1875G2E7R5DB12# p175 8.0pF ±0.25pF GQM1875G2E8R0CB12# p175 ±0.5pF GQM1875G2E8R0CB12# p175 8.2pF ±0.25pF GQM1875G2E8R2CB12# p175 ±0.5pF GQM1875G2E8R2CB12# p175				7.0pF	±0.25pF	GQM1875G2E7R0CB12#	p175
±0.5pF					±0.5pF	GQM1875G2E7R0DB12#	p175
8.0pF ±0.25pF GQM1875G2E8R0CB12# p175 ±0.5pF GQM1875G2E8R0DB12# p175 8.2pF ±0.25pF GQM1875G2E8R2CB12# p175 ±0.5pF GQM1875G2E8R2CB12# p175				7.5pF	-		_
±0.5pF GQM1875G2E8R0DB12# p175 8.2pF ±0.25pF GQM1875G2E8R2CB12# p175 ±0.5pF GQM1875G2E8R2DB12# p175				00-	· ·		
8.2pF ±0.25pF GQM1875G2E8R2CB12# p175 ±0.5pF GQM1875G2E8R2DB12# p175				8.UpF	-		
±0.5pF GQM1875G2E8R2DB12# p175				8.2nF	· ·		
				J.2pi	-		
				9.0pF	· ·	-	_

T ma		Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*					
0.8r	mm	250Vdc	X8G	9.0pF	±0.5pF	GQM1875G2E9R0DB12#	p175					
				9.1pF	±0.25pF	GQM1875G2E9R1CB12#	p175					
					±0.5pF	GQM1875G2E9R1DB12#	p175					
				10pF	±2%	GQM1875G2E100GB12#	p175					
					±5%	GQM1875G2E100JB12#	p175					
				11pF	±2%	GQM1875G2E110GB12#	p175					
					±5%	GQM1875G2E110JB12#	p175					
				12pF	±2%	GQM1875G2E120GB12#	p175					
					±5%	GQM1875G2E120JB12#	p175					
				13pF	±2%	GQM1875G2E130GB12#	p175					
					±5%	GQM1875G2E130JB12#	p175					
				15pF	±2%	GQM1875G2E150GB12#	p175					
							±5%	GQM1875G2E150JB12#	p175			
				16pF	±2%	GQM1875G2E160GB12#	p175					
									±5%	GQM1875G2E160JB12#	p175	
				18pF	±2%	GQM1875G2E180GB12#	p175					
								±5%	GQM1875G2E180JB12#	p175		
												20pF
					±5%	GQM1875G2E200JB12#	p175					
				22pF	±2%	GQM1875G2E220GB12#	p175					
					±5%	GQM1875G2E220JB12#	p175					
				24pF	±2%	GQM1875G2E240GB12#	p175					
										±5%	GQM1875G2E240JB12#	p175
						27pF	±2%	GQM1875G2E270GB12#	p175			
					±5%	GQM1875G2E270JB12#	p175					
										30pF	±2%	GQM1875G2E300GB12#
					±5%	GQM1875G2E300JB12#	p175					

2.0×1.25mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*					
1.0mm	500Vdc	X8G	1.0pF	±0.1pF	GQM2195G2H1R0BB12#	p175					
				±0.25pF	GQM2195G2H1R0CB12#	p175					
			1.1pF	±0.1pF	GQM2195G2H1R1BB12#	p175					
				±0.25pF	GQM2195G2H1R1CB12#	p175					
			1.2pF	±0.1pF	GQM2195G2H1R2BB12#	p175					
				±0.25pF	GQM2195G2H1R2CB12#	p175					
			1.3pF	±0.1pF	GQM2195G2H1R3BB12#	p175					
				±0.25pF	GQM2195G2H1R3CB12#	p175					
			1.5pF	±0.1pF	GQM2195G2H1R5BB12#	p175					
									±0.25pF	GQM2195G2H1R5CB12#	p175
			1.6pF	±0.1pF	GQM2195G2H1R6BB12#	p175					
									±0.25pF	GQM2195G2H1R6CB12#	p175
				1.8pF	±0.1pF	GQM2195G2H1R8BB12#	p175				
									±0.25pF	GQM2195G2H1R8CB12#	p175
									2.0pF	±0.1pF	GQM2195G2H2R0BB12#
				±0.25pF	GQM2195G2H2R0CB12#	p175					
			2.2pF	±0.1pF	GQM2195G2H2R2BB12#	p175					
				±0.25pF	GQM2195G2H2R2CB12#	p175					
			2.4pF	2.4pF	±0.1pF	GQM2195G2H2R4BB12#	p175				
				±0.25pF	GQM2195G2H2R4CB12#	p175					
			2.7pF	±0.1pF	GQM2195G2H2R7BB12#	p175					
				±0.25pF	GQM2195G2H2R7CB12#	p175					
			Dart num	bor # india	eatos the package specification						

Part number # indicates the package specification code.

 $[\]ensuremath{^{*:}}$ Refers to the page of the "Specifications and Test Methods".

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GR3

GRJ //

GR4

JM // GR7

GA3 GA3 GF GD

רא // רוד

R // LLV

RM // NFM

// KR3 //

GQM Series Temperature Compensating Type Part Number List

(→ 2.0×1.25mm)

→ 2.0×	د1.25mı	m)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.0mm	500Vdc	X8G	3.0pF	±0.1pF	GQM2195G2H3R0BB12#	p175
				±0.25pF	GQM2195G2H3R0CB12#	p175
			3.3pF	±0.1pF	GQM2195G2H3R3BB12#	p175
				±0.25pF	GQM2195G2H3R3CB12#	p175
			3.6pF	±0.1pF	GQM2195G2H3R6BB12#	p175
				±0.25pF	GQM2195G2H3R6CB12#	p175
			3.9pF	±0.1pF	GQM2195G2H3R9BB12#	p175
					GQM2195G2H3R9CB12#	p175
			4.0pF		GQM2195G2H4R0BB12#	p175
						p175
			4.3pF	· ·	GQM2195G2H4R3BB12#	p175
			4.5pi	•		·
			4.7nF	· ·	GQM2195G2H4R3CB12#	p175
			4.7pF	-	GQM2195G2H4R7BB12#	p175
						p175
			5.0pF	-	GQM2195G2H5R0BB12#	p175
				· ·		p175
			5.1pF	· ·		p175
						p175
			5.6pF	±0.25pF	GQM2195G2H5R6CB12#	p175
				±0.5pF	GQM2195G2H5R6DB12#	p175
			6.0pF	±0.25pF	GQM2195G2H6R0CB12#	p175
				±0.5pF	GQM2195G2H6R0DB12#	p175
			6.2pF	±0.25pF	GQM2195G2H6R2CB12#	p175
				±0.5pF	GQM2195G2H6R2DB12#	p175
			6.8pF	±0.25pF	GQM2195G2H6R8CB12#	p175
				±0.5pF	GQM2195G2H6R8DB12#	p175
			7.0pF	±0.25pF	GQM2195G2H7R0CB12#	p175
				±0.5pF	GQM2195G2H7R0DB12#	p175
			7.5pF	±0.25pF	GQM2195G2H7R5CB12#	p175
				±0.5pF	GQM2195G2H7R5DB12#	p175
			8.0pF	±0.25pF	GQM2195G2H8R0CB12#	p175
				±0.5pF	GQM2195G2H8R0DB12#	p175
			8.2pF	±0.25pF	GQM2195G2H8R2CB12#	p175
			·		GQM2195G2H8R2DB12#	_
			9.0pF			p175
				±0.5pF	GQM2195G2H9R0DB12#	p175
			9.1pF		GQM2195G2H9R1CB12#	p175
			э.трі	±0.5pF		p175
			10pE	-		
			10pF	±2%		p175
			11	±5%	GQM2195G2H100JB12#	p175
			11pF	±2%		p175
				±5%	GQM2195G2H110JB12#	p175
			12pF	±2%	GQM2195G2H120GB12#	p175
				±5%	GQM2195G2H120JB12#	p175
			13pF	±2%	GQM2195G2H130GB12#	p175
					GQM2195G2H130JB12#	p175
				±5%	GQI12193G2H1303B12#	p =
			15pF	±5% ±2%		p175
			15pF			Ė
			15pF 16pF	±2%	GQM2195G2H150GB12#	p175 p175
			· .	±2% ±5%	GQM2195G2H150GB12# GQM2195G2H150JB12#	p175 p175
			· .	±2% ±5% ±2%	GQM2195G2H150GB12# GQM2195G2H150JB12# GQM2195G2H160GB12#	p175 p175 p175
			16pF	±2% ±5% ±2% ±5%	GQM2195G2H150GB12# GQM2195G2H150JB12# GQM2195G2H160GB12# GQM2195G2H160JB12#	p175 p175 p175 p175
			16pF	±2% ±5% ±2% ±5% ±2%	GQM2195G2H150GB12# GQM2195G2H150JB12# GQM2195G2H160GB12# GQM2195G2H160JB12# GQM2195G2H180GB12#	p175 p175 p175 p175 p175

T ax.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
mm	500Vdc	X8G	22pF	±2%	GQM2195G2H220GB12#	p175
				±5%	GQM2195G2H220JB12#	p175
	250Vdc	COG	1.0pF	±0.1pF	GQM2195C2E1R0BB12#	p178
				±0.25pF	GQM2195C2E1R0CB12#	p178
			1.1pF	±0.1pF	GQM2195C2E1R1BB12#	p178
				±0.25pF	GQM2195C2E1R1CB12#	p178
			1.2pF	±0.1pF	GQM2195C2E1R2BB12#	p178
				±0.25pF	GQM2195C2E1R2CB12#	p178
			1.3pF	±0.1pF	GQM2195C2E1R3BB12#	p178
				±0.25pF	GQM2195C2E1R3CB12#	p178
			1.5pF	±0.1pF	GQM2195C2E1R5BB12#	p178
				±0.25pF	GQM2195C2E1R5CB12#	p178
			1.6pF	±0.1pF	GQM2195C2E1R6BB12#	p178
				±0.25pF	GQM2195C2E1R6CB12#	p178
			1.8pF	±0.1pF	GQM2195C2E1R8BB12#	p178
				±0.25pF	GQM2195C2E1R8CB12#	p178
			2.0pF	±0.1pF	GQM2195C2E2R0BB12#	p178
				±0.25pF	GQM2195C2E2R0CB12#	p178
			2.2pF	±0.1pF	GQM2195C2E2R2BB12#	p178
				±0.25pF	GQM2195C2E2R2CB12#	p178
			2.4pF	±0.1pF	GQM2195C2E2R4BB12#	p178
				±0.25pF	GQM2195C2E2R4CB12#	p178
			2.7pF	±0.1pF	GQM2195C2E2R7BB12#	p178
				±0.25pF	GQM2195C2E2R7CB12#	p178
			3.0pF	±0.1pF	GQM2195C2E3R0BB12#	p178
				±0.25pF	GQM2195C2E3R0CB12#	p178
			3.3pF	±0.1pF	GQM2195C2E3R3BB12#	p178
				±0.25pF	GQM2195C2E3R3CB12#	p178
			3.6pF	±0.1pF	GQM2195C2E3R6BB12#	p178
					GQM2195C2E3R6CB12#	p178
			3.9pF	±0.1pF	GQM2195C2E3R9BB12#	p178
				-	GQM2195C2E3R9CB12#	p178
			4.0pF	±0.1pF	GQM2195C2E4R0BB12#	p178
				-	GQM2195C2E4R0CB12#	p178
			4.3pF		GQM2195C2E4R3BB12#	p178
					GQM2195C2E4R3CB12#	p178
			4.7pF	±0.1pF	GQM2195C2E4R7BB12#	p178
				±0.25pF	GQM2195C2E4R7CB12#	p178
			5.0pF	±0.1pF	GQM2195C2E5R0BB12#	p178
					GQM2195C2E5R0CB12#	p178
			5.1pF		GQM2195C2E5R1CB12#	p178
					GQM2195C2E5R1DB12#	p178
			5.6pF	-	GQM2195C2E5R6CB12#	p178
			60.5	±0.5pF	GQM2195C2E5R6DB12#	p178
			6.0pF	-	GQM2195C2E6R0CB12#	p178
			62-5	±0.5pF	GQM2195C2E6R0DB12#	p178
			6.2pF	±0.25pF ±0.5pF	GQM2195C2E6R2CB12# GQM2195C2E6R2DB12#	p178 p178
			6.8pF	•	GQM2195C2E6R8CB12#	p178
			о.орі	±0.25pF	GQM2195C2E6R8DB12#	p178
			7.0pF		GQM2195C2E7R0CB12#	p178
			. ۲۰۲۰	±0.5pF	GQM2195C2E7R0DB12#	p178
			7.5pF	±0.25pF	GQM2195C2E7R5CB12#	p178
			•	±0.5pF	GQM2195C2E7R5DB12#	p178
						<u> </u>

(→ 2.0×1.25mm)							
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*	
1.0mm	250Vdc	COG	8.0pF	±0.25pF	GQM2195C2E8R0CB12#	p178	
				±0.5pF	GQM2195C2E8R0DB12#	p178	
			8.2pF	±0.25pF	GQM2195C2E8R2CB12#	p178	
				±0.5pF	GQM2195C2E8R2DB12#	p178	
			9.0pF	±0.25pF	GQM2195C2E9R0CB12#	p178	
				±0.5pF	GQM2195C2E9R0DB12#	p178	
			9.1pF		GQM2195C2E9R1CB12#	p178	
				±0.5pF	GQM2195C2E9R1DB12#	p178	
			10pF	±2%	GQM2195C2E100GB12#	p178	
				±5%	GQM2195C2E100JB12#	p178	
			11pF	±2%	GQM2195C2E110GB12#	p178	
				±5%	GQM2195C2E110JB12#	p178	
			12pF	±2%	GQM2195C2E120GB12#	p178	
			12	±5%	GQM2195C2E120JB12#	p178	
			13pF	±2%	GQM2195C2E130GB12#	p178	
			15-5	±5%	GQM2195C2E130JB12#	p178	
			15pF	±2%	GQM2195C2E150GB12#	p178	
			1655	±5% ±2%	GQM2195C2E150JB12#	p178	
			16pF	±2 %	GQM2195C2E160GB12# GQM2195C2E160JB12#	p178 p178	
			18pF	±2%	GQM2195C2E180GB12#	p178	
			100.	±5%	GQM2195C2E180JB12#	p178	
			20pF	±2%	GQM2195C2E200GB12#	p178	
				±5%	GQM2195C2E200JB12#	p178	
			22pF	±2%	GQM2195C2E220GB12#	p178	
			·	±5%	GQM2195C2E220JB12#	p178	
			24pF	±2%	GQM2195C2E240GB12#	p178	
				±5%	GQM2195C2E240JB12#	p178	
			27pF	±2%	GQM2195C2E270GB12#	p178	
				±5%	GQM2195C2E270JB12#	p178	
			30pF	±2%	GQM2195C2E300GB12#	p178	
				±5%	GQM2195C2E300JB12#	p178	
			33pF	±2%	GQM2195C2E330GB12#	p178	
				±5%	GQM2195C2E330JB12#	p178	
			36pF	±2%	GQM2195C2E360GB12#	p178	
				±5%	GQM2195C2E360JB12#	p178	
			39pF	±2%	GQM2195C2E390GB12#	p178	
				±5%	GQM2195C2E390JB12#	p178	
			43pF	±2%	GQM2195C2E430GB12#	p178	
				±5%	GQM2195C2E430JB12#	p178	
			47pF	±2%	GQM2195C2E470GB12#	p178	
			F1F	±5%	GQM2195C2E470JB12#	p178	
			51pF	±2%	GQM2195C2E510GB12#	p178	
			56pF	±5% ±2%	GQM2195C2E510JB12# GQM2195C2E560GB12#	p178 p178	
			Зорі	±5%	GQM2195C2E560JB12#	p178	
			62pF	±2%	GQM2195C2E620GB12#	p178	
			11.5	±5%	GQM2195C2E620JB12#	p178	
			68pF	±2%	GQM2195C2E680GB12#	p178	
			•	±5%	GQM2195C2E680JB12#	p178	
			75pF	±2%	GQM2195C2E750GB12#	p178	
				±5%	GQM2195C2E750JB12#	p178	
			82pF	±2%	GQM2195C2E820GB12#	p178	
				±5%	GQM2195C2E820JB12#	p178	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.0mm	250Vdc	COG	91pF	±2%	GQM2195C2E910GB12#	p178
				±5%	GQM2195C2E910JB12#	p178
			100pF	±2%	GQM2195C2E101GB12#	p178
				±5%	GQM2195C2E101JB12#	p178
		X8G	1.0pF	±0.1pF	GQM2195G2E1R0BB12#	p175
				±0.25pF	GQM2195G2E1R0CB12#	p175
			1.1pF	±0.1pF	GQM2195G2E1R1BB12#	p175
				±0.25pF	GQM2195G2E1R1CB12#	p175
			1.2pF	±0.1pF	GQM2195G2E1R2BB12#	p175
				±0.25pF	GQM2195G2E1R2CB12#	p175
			1.3pF	±0.1pF	GQM2195G2E1R3BB12#	p175
				±0.25pF	GQM2195G2E1R3CB12#	p175
			1.5pF	±0.1pF	GQM2195G2E1R5BB12#	p175
				±0.25pF	GQM2195G2E1R5CB12#	p175
			1.6pF	±0.1pF	GQM2195G2E1R6BB12#	p175
				±0.25pF	GQM2195G2E1R6CB12#	p175
			1.8pF	±0.1pF	GQM2195G2E1R8BB12#	p175
				±0.25pF	GQM2195G2E1R8CB12#	p175
			2.0pF	±0.1pF	GQM2195G2E2R0BB12#	p175
				±0.25pF	GQM2195G2E2R0CB12#	p175
			2.2pF	±0.1pF	GQM2195G2E2R2BB12#	p175
				±0.25pF	GQM2195G2E2R2CB12#	p175
			2.4pF	±0.1pF	GQM2195G2E2R4BB12#	p175
				±0.25pF	GQM2195G2E2R4CB12#	p175
			2.7pF	±0.1pF	GQM2195G2E2R7BB12#	p175
				±0.25pF	GQM2195G2E2R7CB12#	p175
			3.0pF	±0.1pF	GQM2195G2E3R0BB12#	p175
				±0.25pF	GQM2195G2E3R0CB12#	p175
			3.3pF	±0.1pF	GQM2195G2E3R3BB12#	p175
				±0.25pF	GQM2195G2E3R3CB12#	p175
			3.6pF	±0.1pF	GQM2195G2E3R6BB12#	p175
				±0.25pF	GQM2195G2E3R6CB12#	p175
			3.9pF	±0.1pF	GQM2195G2E3R9BB12#	p175
				±0.25pF	GQM2195G2E3R9CB12#	p175
			4.0pF	±0.1pF	GQM2195G2E4R0BB12#	p175
				±0.25pF	GQM2195G2E4R0CB12#	p175
			4.3pF	±0.1pF	GQM2195G2E4R3BB12#	p175
				±0.25pF	GQM2195G2E4R3CB12#	p175
			4.7pF	±0.1pF	GQM2195G2E4R7BB12#	p175
					GQM2195G2E4R7CB12#	p175
			5.0pF	±0.1pF	GQM2195G2E5R0BB12#	p175
					GQM2195G2E5R0CB12#	p175
			5.1pF		GQM2195G2E5R1CB12#	p175
				±0.5pF	GQM2195G2E5R1DB12#	p175
			5.6pF	-	GQM2195G2E5R6CB12#	p175
				±0.5pF	GQM2195G2E5R6DB12#	p175
			6.0pF	-	GQM2195G2E6R0CB12#	p175
				±0.5pF	GQM2195G2E6R0DB12#	p175
			6.2pF	·	GQM2195G2E6R2CB12#	p175
			60-	±0.5pF	GQM2195G2E6R2DB12#	p175
			6.8pF	-	GQM2195G2E6R8CB12#	p175
			7.0.5	•	GQM2195G2E6R8DB12#	p175
			7.0pF	-	GQM2195G2E7R0CB12#	p175
			Part num	±0.5pF	GQM2195G2E7R0DB12# cates the package specification	p175

Part number # indicates the package specification code.

GRM

GR3

GRJ

. В

M G J

GA2

GA3

, 43

Ⅎ

∃ // -

LLR

RM //

KR3

GMA

Caution

 $[\]ensuremath{^*:}$ Refers to the page of the "Specifications and Test Methods".

3 // GRP

// GR3 //

GRJ

GR7 // G

GQM

GA3 GA3 GD GB

GF GF

ш П

> LLM //

KRM // NFM

KR3

170

GQM Series Temperature Compensating Type Part Number List

(→ 2.0×1.25mm)

(→ 2.03	(1.25MI	<u> </u>				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.0mm	250Vdc	X8G	7.5pF	±0.25pF	GQM2195G2E7R5CB12#	p175
				±0.5pF	GQM2195G2E7R5DB12#	p175
			8.0pF	±0.25pF	GQM2195G2E8R0CB12#	p175
				±0.5pF	GQM2195G2E8R0DB12#	p175
			8.2pF	· ·	GQM2195G2E8R2CB12#	p175
			·		GQM2195G2E8R2DB12#	p175
			9.0pF	-	GQM2195G2E9R0CB12#	p175
				· ·	GQM2195G2E9R0DB12#	i
			9.1pF		GQM2195G2E9R1CB12#	p175
				±0.5pF	GQM2195G2E9R1DB12#	p175
			10pF	±2%	GQM2195G2E100GB12#	p175
			1001	±5%	GQM2195G2E100JB12#	p175
			11pF	±2%	GQM2195G2E110GB12#	<u> </u>
			110	±5%	GQM2195G2E110JB12#	p175
			12pF	±2%		p175
			1201	±5%	GQM2195G2E120JB12#	i
			12nE		•	p175
			13pF	±2% ±5%	GQM2195G2E130GB12# GQM2195G2E130JB12#	p175
			1 E n E		GQM2195G2E150GB12#	p175
			15pF	±2%	•	p175
			16	±5%	GQM2195G2E150JB12#	p175
			16pF	±2%	GQM2195G2E160GB12#	·
			10.5	±5%	GQM2195G2E160JB12#	p175
			18pF	±2%	GQM2195G2E180GB12#	
				±5%	GQM2195G2E180JB12#	p175
			20pF	±2%		p175
				±5%	GQM2195G2E200JB12#	p175
			22pF	±2%	GQM2195G2E220GB12#	p175
				±5%	GQM2195G2E220JB12#	p175
			24pF	±2%	GQM2195G2E240GB12#	p175
				±5%	GQM2195G2E240JB12#	p175
			27pF	±2%		p175
				±5%	GQM2195G2E270JB12#	p175
			30pF	±2%	GQM2195G2E300GB12#	_
				±5%	GQM2195G2E300JB12#	p175
			33pF	±2%	GQM2195G2E330GB12#	p175
				±5%	GQM2195G2E330JB12#	p175
			36pF	±2%	GQM2195G2E360GB12#	p175
				±5%	GQM2195G2E360JB12#	p175
			39pF	±2%	GQM2195G2E390GB12#	p175
				±5%	GQM2195G2E390JB12#	p175
			43pF	±2%	GQM2195G2E430GB12#	p175
				±5%	GQM2195G2E430JB12#	p175
			47pF	±2%	GQM2195G2E470GB12#	p175
				±5%	GQM2195G2E470JB12#	p175
			51pF	±2%	GQM2195G2E510GB12#	p175
				±5%	GQM2195G2E510JB12#	p175
			56pF	±2%	GQM2195G2E560GB12#	p175
				±5%	GQM2195G2E560JB12#	p175
			62pF	±2%	GQM2195G2E620GB12#	p175
				±5%	GQM2195G2E620JB12#	p175
			68pF	±2%	GQM2195G2E680GB12#	p175
				±5%	GQM2195G2E680JB12#	p175
			75pF	±2%	GQM2195G2E750GB12#	p175
				±5%	GQM2195G2E750JB12#	p175
*: Refers t	o the page	of the	"Specificat	ions and T	est Methods".	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.0mm	250Vdc	X8G	82pF	±2%	GQM2195G2E820GB12#	p175
				±5%	GQM2195G2E820JB12#	p175

2.8×2.8mm

2.8×2.8mm							
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*	
1.35mm	500Vdc	COG	1.0pF	±0.1pF	GQM22M5C2H1R0BB01#	p181	
				±0.25pF	GQM22M5C2H1R0CB01#	p181	
			1.1pF	±0.1pF	GQM22M5C2H1R1BB01#	p181	
				±0.25pF	GQM22M5C2H1R1CB01#	p181	
			1.2pF	±0.1pF	GQM22M5C2H1R2BB01#	p181	
				±0.25pF	GQM22M5C2H1R2CB01#	p181	
			1.3pF	±0.1pF	GQM22M5C2H1R3BB01#	p181	
				±0.25pF	GQM22M5C2H1R3CB01#	p181	
			1.5pF	±0.1pF	GQM22M5C2H1R5BB01#	p181	
				±0.25pF	GQM22M5C2H1R5CB01#	p181	
			1.6pF	±0.1pF	GQM22M5C2H1R6BB01#	p181	
				±0.25pF	GQM22M5C2H1R6CB01#	p181	
			1.8pF	±0.1pF	GQM22M5C2H1R8BB01#	p181	
				±0.25pF	GQM22M5C2H1R8CB01#	p181	
			2.0pF	±0.1pF	GQM22M5C2H2R0BB01#	p181	
				±0.25pF	GQM22M5C2H2R0CB01#	p181	
			2.2pF	±0.1pF	GQM22M5C2H2R2BB01#	p181	
				±0.25pF	GQM22M5C2H2R2CB01#	p181	
			2.4pF	±0.1pF	GQM22M5C2H2R4BB01#	p181	
				±0.25pF	GQM22M5C2H2R4CB01#	p181	
			2.7pF	±0.1pF	GQM22M5C2H2R7BB01#	p181	
				±0.25pF	GQM22M5C2H2R7CB01#	p181	
			3.0pF	±0.1pF	GQM22M5C2H3R0BB01#	p181	
				±0.25pF	GQM22M5C2H3R0CB01#	p181	
			3.3pF	±0.1pF	GQM22M5C2H3R3BB01#	p181	
				±0.25pF	GQM22M5C2H3R3CB01#	p181	
			3.6pF	±0.1pF	GQM22M5C2H3R6BB01#	p181	
				±0.25pF	GQM22M5C2H3R6CB01#	p181	
			3.9pF	±0.1pF	GQM22M5C2H3R9BB01#	p181	
				±0.25pF	GQM22M5C2H3R9CB01#	p181	
			4.0pF	±0.1pF	GQM22M5C2H4R0BB01#	p181	
				±0.25pF	GQM22M5C2H4R0CB01#	p181	
			4.3pF	±0.1pF	GQM22M5C2H4R3BB01#	p181	
				±0.25pF	GQM22M5C2H4R3CB01#	p181	
			4.7pF	±0.1pF	GQM22M5C2H4R7BB01#	p181	
				±0.25pF	GQM22M5C2H4R7CB01#	p181	
			5.0pF	±0.1pF	GQM22M5C2H5R0BB01#	p181	
				±0.25pF	GQM22M5C2H5R0CB01#	p181	
			5.1pF	±0.25pF	GQM22M5C2H5R1CB01#	p181	
				±0.5pF	GQM22M5C2H5R1DB01#	p181	
			5.6pF	±0.25pF	GQM22M5C2H5R6CB01#	p181	
				±0.5pF	GQM22M5C2H5R6DB01#	p181	
			6.0pF	±0.25pF	GQM22M5C2H6R0CB01#	p181	
				±0.5pF	GQM22M5C2H6R0DB01#	p181	
			6.2pF	±0.25pF	GQM22M5C2H6R2CB01#	p181	
				±0.5pF	GQM22M5C2H6R2DB01#	p181	
			6.8pF	±0.25pF	GQM22M5C2H6R8CB01#	p181	
	•		Part num	nber#indio	cates the package specification	code.	

^{*:} Refers to the page of the "Specifications and Test Methods".

(→ 2.8×2.8mm)							
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*	
1.35mm	500Vdc	C0G	6.8pF	±0.5pF	GQM22M5C2H6R8DB01#	p181	
			7.0pF	±0.25pF	GQM22M5C2H7R0CB01#	p181	
				±0.5pF	GQM22M5C2H7R0DB01#	p181	
			7.5pF	±0.25pF	GQM22M5C2H7R5CB01#	p181	
				±0.5pF	GQM22M5C2H7R5DB01#	p181	
			8.0pF	±0.25pF	GQM22M5C2H8R0CB01#	p181	
				±0.5pF	GQM22M5C2H8R0DB01#	p181	
			8.2pF	±0.25pF	GQM22M5C2H8R2CB01#	p181	
				±0.5pF	GQM22M5C2H8R2DB01#	p181	
			9.0pF	±0.25pF	GQM22M5C2H9R0CB01#	p181	
				±0.5pF	GQM22M5C2H9R0DB01#	p181	
			9.1pF	±0.25pF	GQM22M5C2H9R1CB01#	p181	
				±0.5pF	GQM22M5C2H9R1DB01#	p181	
			10pF	±2%	GQM22M5C2H100GB01#	p181	
				±5%	GQM22M5C2H100JB01#	p181	
			11pF	±2%	GQM22M5C2H110GB01#	p181	
				±5%	GQM22M5C2H110JB01#	p181	
			12pF	±2%	GQM22M5C2H120GB01#	p181	
				±5%	GQM22M5C2H120JB01#	p181	
			13pF	±2%	GQM22M5C2H130GB01#	p181	
				±5%	GQM22M5C2H130JB01#	p181	
			15pF	±2%	GQM22M5C2H150GB01#	p181	
				±5%	GQM22M5C2H150JB01#	p181	
			16pF	±2%	GQM22M5C2H160GB01#	p181	
				±5%	GQM22M5C2H160JB01#	p181	
			18pF	±2%	GQM22M5C2H180GB01#	p181	
				±5%	GQM22M5C2H180JB01#	p181	
			20pF	±2%	GQM22M5C2H200GB01#	p181	
				±5%	GQM22M5C2H200JB01#	p181	
			22pF	±2%	GQM22M5C2H220GB01#		
				±5%	GQM22M5C2H220JB01#	p181	
			24pF	±2%	GQM22M5C2H240GB01#	<u> </u>	
				±5%	GQM22M5C2H240JB01#	<u> </u>	
			27pF	±2%	GQM22M5C2H270GB01#	<u> </u>	
				±5%		p181	
			30pF	±2%	GQM22M5C2H300GB01#	_	
			22.5	±5%	GQM22M5C2H300JB01#	p181	
			33pF	±2%	GQM22M5C2H330GB01#	<u> </u>	
			20-5	±5%	GQM22M5C2H330JB01#	p181	
			36pF	±2%	GQM22M5C2H360GB01#		
			39pF	±5% ±2%	GQM22M5C2H360JB01# GQM22M5C2H390GB01#	p181	
			ээрг				
			12nE	±5%		p181	
			43pF	±2% ±5%	GQM22M5C2H430GB01# GQM22M5C2H430JB01#	p181	
			47pF	±2%	GQM22M5C2H470GB01#	i	
				±5%		p181	
			51pF	±2%	GQM22M5C2H510GB01#	_	
				±5%	GQM22M5C2H510JB01#	p181	
			56pF	±2%	GQM22M5C2H560GB01#	p181	
				±5%	GQM22M5C2H560JB01#	p181	
			62pF	±2%	GQM22M5C2H620GB01#	p181	
				±5%	GQM22M5C2H620JB01#	p181	
			68pF	±2%	GQM22M5C2H680GB01#	p181	

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.35mm	500Vdc	COG	68pF	±5%	GQM22M5C2H680JB01#	p181
			75pF	±2%	GQM22M5C2H750GB01#	p181
				±5%	GQM22M5C2H750JB01#	p181
			82pF	±2%	GQM22M5C2H820GB01#	p181
				±5%	GQM22M5C2H820JB01#	p181
			91pF	±2%	GQM22M5C2H910GB01#	p181
				±5%	GQM22M5C2H910JB01#	p181
			100pF	±2%	GQM22M5C2H101GB01#	p181
				±5%	GQM22M5C2H101JB01#	p181

 $[\]ensuremath{^*:}$ Refers to the page of the "Specifications and Test Methods".

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GQM Series Specifications and Test Methods (1)

No	Ite	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
1	Rated Voltag	e	Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, VP-P or VO-P, whichever is larger, should be maintained within the rated voltage range.		
2	Appearance		No defects or abnormalities.	Visual inspection.		
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.		
4	Voltage Proof	F	No defects or abnormalities.	Measurement Point: Between the terminations Applied Time: 1 to 5s Charge/discharge current: 50mA max. Test Voltage: Rated Voltage 100V 300% of Rated Voltage 200V 250% of Rated Voltage		
5	Insulation Res	sistance (I.R.)	More than $10000 M\Omega$	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature		
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature		
7	Q		30pF and over: Q ≧ 1400 30pF and below: Q ≧ 800+20C C: Nominal Capacitance(pF)	Capacitance Frequency Voltage C ≦ 1000pF 1.0±0.1kHz 0.5 to 5.0Vrms		
8	Temperature Characteristics of Capacitance		Nominal values of the temperature coefficient is shown in Rated value. But, the Capacitance Change under 25°C is shown in Table A. Capacitance Drift Within ±0.2% or ±0.05pF (Whichever is larger.)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. The capacitance drift is calculated by dividing the differences between the maximum and minimum measured values in the step 1, 3 and 5 by the cap. value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2		
9	Adhesive Stre	•	No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate shown in Fig.3. Applied Force: 5N Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.		
10	N/ibbi	Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min)		
10	Vibration	Q	Within the specified initial value.	Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).		
	6.1	Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.1.		
11	Substrate Bending Test	Capacitance Change	Within ±5% or ±0.5pF (Whichever is larger)	Pressurization method: Shown in Fig.2 Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering		
12	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s		
		Appearance	No defects or abnormalities.			
	Resistance to	Capacitance Change	Within ±2.5% or ±0.25pF (Whichever is larger)	Test Method: Solder bath method Solder: Sn-3.0Ag-0.5Cu		
13	Soldering	Q	Within the specified initial value.	Solder Temp.: 270±5°C Immersion time: 10±0.5s		
	Heat	I.R.	Within the specified initial value.	Exposure Time: 24±2h		
		Voltage Proof	No defects.	Preheat: 120 to 150°C for 1min		
			<u> </u>	<u> </u>		

GQM Series Specifications and Test Methods (1)

Continued from the preceding page.

No	lte	em	Specification		Test Method (Ref. Standard: JIS C 5101, IEC60384)				
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.					
	Capacitance Change		Within ±2.5% or ±0.25pF (Whichever is larger)		Perform the 5 cycles according to the four heat treatments shown in the following table.				
14	Temperature Sudden	Q	Within the specified initial value.		Step 1	Temp. (°C) Min. Operating Temp. +0/-3	Time (min) 30±3		
14	Change	I.R.	Within the specified initial value.	_	2	Room Temp.	2 to 3		
					3	Max. Operating Temp. +3/-0	30±3		
		Voltage Proof	No defects.	Exp	4 osure	Room Temp.	2 to 3		
		Appearance	No defects or abnormalities.	Solo	Solder the capacitor on the test substrate shown in Fig.3.			σ3	
	High Temperature	Capacitance Change	Within ±7.5% or ±0.75pF (Whichever is larger)	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH			cc 3110 W 11 11 1	6.3.	
15	High Humidity (Steady)	Q	30pF and over: Q ≧ 200 30pF and below: Q ≧ 100+10C/3 C: Nominal Capacitance(pF)	App	Test Time: 500±12h Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h				
		I.R.	More than 500MΩ	L^p	osuie	: TIITIC. 24±211			
		Appearance	No defects or abnormalities.						
		Capacitance Change	Within ±3% or ±0.3pF (Whichever is larger)	Solder the capacitor on the test substrate shown in Fig.3. Test Temperature: Max. Operating Temp. ±3°C				g.3.	
16	16 Durability	Q	30pF and over: Q ≥ 350 10pF and over, 30pF and below: Q ≥ 275+5C/2 10pF and below: Q ≥ 200+10C C: Nominal Capacitance (pF)	Test Time: 1000±12h Applied Voltage: 200% of the rated voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h					
		I.R.	More than $1000 M\Omega$						

Table A

	Capacitance Change from 25°C(%)							
Char.	-55	5°C	-30)°C	-10°C			
	Max.	Min.	Max.	Min.	Max.	Min.		
5C	0.58	-0.24	0.40	-0.17	0.25	-0.11		

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GQM Series Specifications and Test Methods (1)

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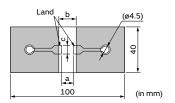
Substrate Bending Test

Test Substrate
 Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 0.8mm

Copper foil thickness: 0.035mm

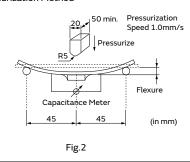
: Solder resist (Coat with heat resistant resin for solder)



Dauk Mussahau	D	Dimension (mm	1)
Part Number	a	ь	С
GQM15	0.4	1.5	0.5

Fig.1

- Kind of Solder: Sn-3.0Ag-0.5Cu
- Pressurization Method



Adhesive Strength of Termination, Vibration, Temperature Sudden Change, High Temperature High Humidity (Steady), Durability

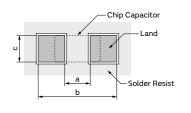
Test Substrate

Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 1.6mm or 0.8mm Copper foil thickness: 0.035mm

• Kind of Solder: Sn-3.0Ag-0.5Cu

Land Dimensions



Part Number		Dimension (mm	1)
Part Number	a	Ь	С
GOM15	0.4	1.5	0.5

Fig.3

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GA3 GF

GQM Series Specifications and Test Methods (2)

No	No Item		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)	
1	Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, VP-P or VO-P, whichever is larger, should be maintained within the rated voltage range.	
2	Appearance		No defects or abnormalities.	Visual inspection.	
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.	
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage : 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.	
5	Insulation Resistance (I.R.)		More than 10000 M Ω	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 1min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature	
6	Capacitance		Shown in Rated value.	Measurement Temperature :Room Temperature	
7	Q		30pF and over: Q ≧ 1400 30pF and below: Q ≧ 800+20C C: Nominal Capacitance(pF)	Capacitance Frequency Voltage C ≦ 1000pF 1.0±0.1MHz 0.5 to 5.0Vrms	
8	Temperature Characteristics of Capacitance		Nominal values of the temperature coefficient is shown in Rated value. But, the Capacitance Change under 20°C/25°C is shown in Table A. Capacitance Drift Within ±0.2% or ±0.05pF (Whichever is larger.)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. The capacitance drift is calculated by dividing the differences between the maximum and minimum measured values in the step 1, 3 and 5 by the cap. value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2	
9	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate shown in Fig.3. Part Number Applied Force(N) GQM18 5 GQM21 10 Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.	
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.	
		Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min)	
10	Vibration	Q	Within the specified initial value.	Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).	
	- 1 .	Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.1.	
11	Substrate Bending Test	Capacitance Change	Within ±5% or ±0.5pF (Whichever is larger)	Pressurization method: Shown in Fig. 2 Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering	
12	1.2 Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s	

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GQM Series Specifications and Test Methods (2)

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No	Item		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
13	Resistance to Soldering Heat	Appearance Capacitance Change Q I.R.	No defects or abnormalities. Within ±2.5% or ±0.25pF (Whichever is larger) Within the specified initial value. Within the specified initial value.	Test Method: Solder bath method Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 270±5°C Immersion time: 10±0.5s Exposure Time: 24±2h Preheat: 120 to 150°C for 1min		
		Voltage Proof Appearance	No defects. No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.		
	Temperature Sudden Change	Capacitance Change	Within ±2.5% or ±0.25pF (Whichever is larger)	Perform the 5 cycles according to the four heat treatments shown in the following table.		
14		Q.	Within the specified initial value.	Step Temp. (°C) Time (min) 1 Min. Operating Temp. +0/-3 30±3		
		I.R.	Within the specified initial value.	2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3		
		Voltage Proof	No defects.	4 Room Temp. 2 to 3 Exposure Time: 24±2h		
	High Temperature High Humidity (Steady)	Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.		
		Capacitance Change	Within ±7.5% or ±0.75pF (Whichever is larger)	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH Test Time: 500±12h Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h		
15		Q	30pF and over: Q ≥ 200 30pF and below: Q ≥ 100+10C/3 C: Nominal Capacitance(pF)			
		I.R.	More than $500M\Omega$	Exposure fillio. 241211		
	Durability	Appearance	No defects or abnormalities.			
16		Capacitance Change	Within ±3% or ±0.3pF (Whichever is larger)	Solder the capacitor on the test substrate shown in Fig.3. Test Temperature: Max. Operating Temp. ±3°C		
		Q	30pF and over: Q \ge 350 10pF and over, 30pF and below: Q \ge 275+5C/2 10pF and below: Q \ge 200+10C C: Nominal Capacitance (pF)	Test Time: 1000±12h Applied Voltage: 200% of the rated voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h		
		I.R.	More than 1000MΩ			

Table A

	rable /								
		Capacitance Change from 20°C/25°C (%)							
	Char.	-55°C		-30°C		-25°C		-10°C	
		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
	2C	0.82	-0.45	-		0.49	-0.27	0.33	-0.18
	5C/5G	0.58	-0.24	0.40	-0.17	-	-	0.25	-0.11

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Substrate Bending Test

Test Substrate

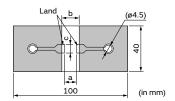
Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

GQM Series Specifications and Test Methods (2)

Thickness: 1.6mm

Copper foil thickness: 0.035mm

: Solder resist (Coat with heat resistant resin for solder)



Part Number	Dimension (mm)				
	a	ь	С		
GQM18	1.0	3.0	1.2		
GQM21	1.2	4.0	1.65		

Fig.1

- Kind of Solder: Sn-3.0Ag-0.5Cu
- Pressurization Method

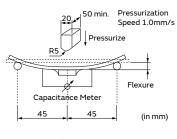


Fig.2

Adhesive Strength of Termination, Vibration, Temperature Sudden Change, High Temperature High Humidity (Steady), Durability

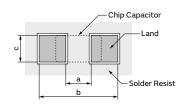
Test Substrate

Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 1.6mm or 0.8mm Copper foil thickness: 0.035mm

• Kind of Solder: Sn-3.0Ag-0.5Cu

Land Dimensions



Part Number	Dimension (mm)				
Part Number	a	b	С		
GQM18	1.0	3.0	1.2		
GQM21	1.2	4.0	1.65		

Fig.3

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GQM Series Specifications and Test Methods (3)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)	
1	Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, VP-P or VO-P, whichever is larger, should be maintained within the rated voltage range.	
2	Appearance		No defects or abnormalities.	Visual inspection.	
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.	
4	Voltage Proof	:	No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.	
5	Insulation Res	istance (I.R.)	More than $10000 M\Omega$	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature	
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature	
7	Q		30pF and over: Q ≧ 1400 30pF and below: Q ≧ 800+20C C: Nominal Capacitance (pF)	Capacitance Frequency Voltage C ≦ 1000pF 1.0±0.1kHz 0.5 to 5.0Vrms	
8	Temperature Characteristics of Capacitance		Nominal values of the temperature coefficient is shown in Rated value. But, the Capacitance Change under 20°C/25°C is shown in Table A. Capacitance Drift Within ±0.2% or ±0.05pF (Whichever is larger.)	The capacitance change should be measured after 5 minutes each specified temp. stage. Capacitance value as a reference is the value in step 3. The capacitance drift is calculated by dividing the differences between the maximum and minimum measured values in the step 1, 3 and 5 by the cap. value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2	
9	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate shown in Fig. 3. Part Number Applied Force(N) GQM18 5 GQM21 10 Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.	
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.	
		Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min)	
10	Vibration	Q	Within the specified initial value.	Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).	
	C. b. :	Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.1.	
11	Substrate Bending Test	Capacitance Change	Within ±5% or ±0.5pF (Whichever is larger)	Pressurization method: Shown in Fig.2 Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering	
12	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s	
	Appearance Capacitance Change		No defects or abnormalities.		
			Within ±2.5% or ± 0.25pF (Whichever is larger)	Test Method: Solder bath method Solder: Sn-3.0Ag-0.5Cu	
13	Soldering	Q	Within the specified initial value.	Solder Temp.: 270±5°C Immersion time: 10±0.5s	
	Heat	I.R.	Within the specified initial value.	Exposure Time: 24±2h	
		Voltage Proof	No defects.	Preheat: 120 to 150°C for 1min	

GQM Series Specifications and Test Methods (3)

Continued from the preceding page. \searrow

No	ltem		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)					
		Appearance	No defects or abnormalities.		he capacitor on the test substra	<u> </u>			
		Capacitance Change	Within ±2.5% or ±0.25pF (Whichever is larger)	shown i	n the 5 cycles according to the form the following table.				
14	Temperature Sudden	Q	Within the specified initial value.	Step 1	Temp. (°C) Min. Operating Temp. +0/-3	Time (min) 30±3			
	Change	I.R.	Within the specified initial value.	2	Room Temp.	2 to 3			
		Voltage Proof	No defects.	3 4 Exposu	Max. Operating Temp. +3/-0 Room Temp. re Time: 24±2h	30±3 2 to 3			
	High Temperature High Humidity (Steady)	Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.					
		Capacitance Change	Within ±7.5% or ±0.75pF (Whichever is larger)	Test Te Test Hu	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH				
15		Q	30pF and over: Q ≧ 200 30pF and below: Q ≧ 100+10C/3 C: Nominal Capacitance(pF)	Applied Charge	Test Time: 500±12h Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h				
		I.R.	More than $500M\Omega$	Exposure Time: 24±2fi					
		Appearance	No defects or abnormalities.						
		Capacitance Change	Within ±3% or ±0.3pF (Whichever is larger)		Solder the capacitor on the test substrate shown in Fig.3. Test Temperature: Max. Operating Temp. ±3°C				
16	Durability	Q	30pF and over: Q ≥ 350 10pF and over, 30pF and below: Q ≥ 275+5C/2 10pF and below: Q ≥ 200+10C C: Nominal Capacitance (pF)	Test Time: 1000±12h Applied Voltage: 200% of the rated voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h					
		I.R.	More than $1000 M\Omega$						

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Table A

	Capacitance Change from 20°C/25°C (%)									
Char.	-55°C		-30°C		-25°C		-10°C			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
2C	0.82	-0.45	-	-	0.49	-0.27	0.33	-0.18		
5C/5G	0.58	-0.24	0.40	-0.17	-	-	0.25	-0.11		

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GQM Series Specifications and Test Methods (3)

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Substrate Bending Test

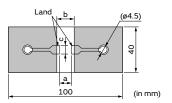
Test Substrate

Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 1.6mm

Copper foil thickness: 0.035mm

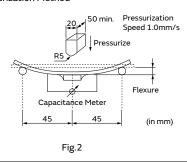
: Solder resist (Coat with heat resistant resin for solder)



Part Number	Ţ.	Dimension (mm	1)
Part Number	a	ь	С
GQM18	1.0	3.0	1.2
GQM21	1.2	4.0	1.65

Fig.1

- Kind of Solder: Sn-3.0Ag-0.5Cu
- Pressurization Method



Adhesive Strength of Termination, Vibration, Temperature Sudden Change, High Temperature High Humidity (Steady), Durability

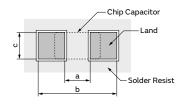
• Test Substrate

Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 1.6mm or 0.8mm Copper foil thickness: 0.035mm

• Kind of Solder: Sn-3.0Ag-0.5Cu

Land Dimensions



Part Number -	Dimension (mm)					
Part Number -	a	ь	С			
GQM18	1.0	3.0	1.2			
GOM21	1 2	40	1.65			

Fig.3

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GQM Series Specifications and Test Methods (4)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, V ^{p-p} or V ^{O-p} , whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Resistance (I.R.)		More than $10000 ext{M}\Omega$	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
7	Q		30pF and over: Q ≧ 1400 30pF and below: Q ≧ 800+20C C: Nominal Capacitance(pF)	Capacitance Frequency Voltage C ≦ 1000pF 1.0±0.1kHz 0.5 to 5.0Vrms
8	Temperature Characteristics of Capacitance		Nominal values of the temperature coefficient is shown in Rated value. But, the Capacitance Change under 25°C is shown in Table A. Capacitance Drift Within ±0.2% or ±0.05pF (Whichever is larger.)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. The capacitance drift is calculated by dividing the differences between the maximum and minimum measured values in the step 1, 3 and 5 by the cap. value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2
9	Adhesive Stre	•	No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate shown in Fig.3. Applied Force: 10N Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.
		Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min)
10	Vibration	Q	Within the specified initial value.	Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
	6.1	Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.1.
11	Substrate Bending Capacitance Test Change		Within ±5% or ±0.5pF (Whichever is larger)	Pressurization method: Shown in Fig.2 Flexure:1mm Holding Time: 5±1s Soldering Method: Reflow soldering
12	.2 Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s
		Appearance	No defects or abnormalities.	
	Resistance to	Capacitance Change	Within ±2.5% or ±0.25pF (Whichever is larger)	Test Method: Solder bath method Solder: Sn-3.0Ag-0.5Cu
13	Soldering	Q	Within the specified initial value.	Solder Temp.: 270±5°C Immersion time: 10±0.5s
	Heat	I.R.	Within the specified initial value.	Exposure Time: 24±2h
		Voltage Proof	No defects.	Preheat: 120 to 150°C for 1min

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GQM Series Specifications and Test Methods (4)

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No	lte	·m	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)			
		Appearance Capacitance	No defects or abnormalities. Within ±2.5% or ±0.25pF	Solder the capacitor on the test substrate shown in Fig.3. Perform the 5 cycles according to the four heat treatments shown in the following table.			
	Temperature	Change Q	(Whichever is larger) Within the specified initial value.	Step Temp. (°C) Time (min)			
14	Sudden Change	I.R.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3 2 Room Temp. 2 to 3			
		Voltage Proof	No defects.	3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time: 24±2h			
	High Temperature High Humidity (Steady)	Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate shown in Fig.3.			
		Capacitance Change	Within ±7.5% or ±0.75pF (Whichever is larger)	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH			
15		Q	30pF and over: Q ≧ 200 30pF and below: Q ≧ 100+10C/3 C: Nominal Capacitance(pF)	Test Time: 500±12h Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h			
		I.R.	More than 500MΩ	Exposure Time. 2 12211			
		Appearance	No defects or abnormalities.				
		Capacitance Change	Within ±3% or ±0.3pF (Whichever is larger)	Solder the capacitor on the test substrate shown in Fig.3. Test Temperature: Max. Operating Temp. ±3°C			
16	Durability	Q	30pF and over: Q \ge 350 10pF and over, 30pF and below: Q \ge 275+5C/2 10pF and below: Q \ge 200+10C C: Nominal Capacitance (pF)	Test Time: 1000±12h Applied Voltage: 150% of the rated voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h			
		I.R.	More than $1000 M\Omega$				

Table A

	Capacitance Change from 25°C(%)								
Char.	-55	5°C	-30)°C	-10°C				
	Max.	Min.	Max.	Min.	Max.	Min.			
5C	0.58	-0.24	0.40	-0.17	0.25	-0.11			

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GQM Series Specifications and Test Methods (4)

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Substrate Bending Test

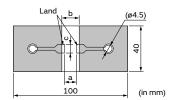
Test Substrate

Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 1.6mm

Copper foil thickness: 0.035mm

: Solder resist (Coat with heat resistant resin for solder)



Part Number	Dimension (mm)				
Part Number	a	ь	С		
GQM22	2.2	5.0	2.9		

Fig.1

- Kind of Solder: Sn-3.0Ag-0.5Cu
- Pressurization Method

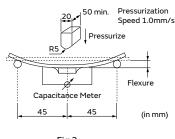


Fig.2

Adhesive Strength of Termination, Vibration, Temperature Sudden Change, High Temperature High Humidity (Steady), Durability

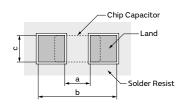
Test Substrate

Material: Copper-clad laminated sheets for PCBs (Glass fabric base, epoxy resin)

Thickness: 1.6mm or 0.8mm Copper foil thickness: 0.035mm

• Kind of Solder: Sn-3.0Ag-0.5Cu

Land Dimensions



Part Number	Dimension (mm)				
Part Nulliber	a	b	С		
GQM22	2.2	5.0	2.9		

Fig.3

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Based on the Electrical Appliance and Material Safety Law of Japan Chip Multilayer Ceramic Capacitors for General Purpose

GA2 Series



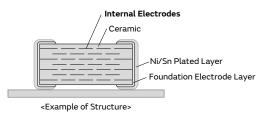




This product is for commercial power supplies, compliant with the Electrical Appliance and Material Safety Law of Japan.

Features

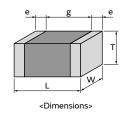
Sn plating is applied to the external electrodes, providing excellent solderability.



- Realized large capacitance value and small size while maintaining high withstand voltages by the multilayer structure.
- This product is only for reflow soldering.
- There are types for connections between lines and connections between lines and ground.

Specifications

Size (mm)	4.5×2.0mm to 5.7×5.0mm
Rated Voltage	250Vac
Capacitance	470pF to 0.10μF
Main Applications	General purpose for Japan



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GA2 Series High Dielectric Constant Type Part Number List

4.5×2.0mm

T max.	Rated Voltage		Cap.	Tol.	Part Number	p*
1.5mm	250Vac	X7R	470pF	±20%	GA242QR7E2471MW01#	p186
			1000pF	±20%	GA242QR7E2102MW01#	p186

4.5×3.2mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.5mm	250Vac	X7R	2200pF	±20%	GA243QR7E2222MW01#	p186
			3300pF	±20%	GA243QR7E2332MW01#	p186
			10000pF	±20%	GA243QR7E2103MW01#	p186
			22000pF	±20%	GA243QR7E2223MW01#	p186
2.0mm	250Vac	X7R	4700pF	±20%	GA243DR7E2472MW01#	p186
			47000pF	±20%	GA243DR7E2473MW01#	p186

5.7×5.0mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	р*
2.0mm	250Vac	X7R	0.10µF	±20%	GA255DR7E2104MW01#	p186

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GA2 Series Specifications and Test Methods (1)

No	<u>lte</u>	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Appearance		No defects or abnormalities.	Visual inspection.
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.
3	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 10000pF min.: AC575V (r.m.s.) less than 10000pF: AC1500V (r.m.s.) Applied Time: 60±1s Charge/discharge current: 50mA max.
4	Insulation Resistance (I.R.)		2000MΩ or more	Measurement Point: Between the terminations Measurement Voltage: DC500±50V Charging Time: 60±5s Measurement Temperature: Room Temperature
5	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
6	Dissipation Fa	actor (D.F.)	0.025 max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2V (r.m.s.)
7	Temperature Characteristics of Capacitance		R7: Within ±15% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 •Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition (*1).
8	Discharge Test (Application: C < 10000pF) C: Nominal Capacitance		No defects or abnormalities.	As in below figure, discharge is made 50 times at 5s intervals from the capacitor (Cd) charged at DC voltage of specified. R3 R1 Ct: Capacitor under test, Cd: 0.001µF R1: 1000Ω, R2: 100MΩ, R3: Surge resistance
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in
		Capacitance	Within the specified initial value.	"Complement of Test Method".
9	Vibration	D.F.	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
10	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt) % Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.
		Appearance	No defects or abnormalities.	Test Method: Solder bath method
		Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s
	Resistance to	D.F.	Within the specified initial value.	Immersing in speed: 25±2.5mm/s.
11	Soldering	I.R.	Within the specified initial value.	Exposure Time: 24±2h at room condition (*1). Preheat: GA242 size min.: 100 to 120°C for 1min
	Heat	Voltage Proof	No defects.	and 170 to 200°C for 1min • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition (*1).

 $^{^{*1}\,}Room\,Condition; Temperature:\,15\,to\,35\,^{\circ}C, Relative\ humidity:\,45\,to\,75\%, Atmosphere\ pressure:\,86\,to\,106kPa$

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GA2 Series Specifications and Test Methods (1)

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No	lte	preceding pag	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
12	2 Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.
13	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate A (glass epoxy
		Capacitance Change	Within ±15%	board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table.
		D.F.	0.05 max.	Step Temp. (°C) Time (min)
	Temperature	I.R.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3
14	Sudden Change			2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3
		Voltage Proof	No defects.	Exposure Time: 24±2h at room condition (*1). • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition (*1).
		Appearance	No defects or abnormalities.	
		Capacitance Change	Within ±15%	The capacitor shall be subjected to 40±2°C, relative humidity of
15	Humidity Insulation	D.F.	0.05 max.	90 to 95% for 8h, and then removed in room condition (*1) for
	Ilisulation	I.R.	1000MΩ or more	16h until 5 cycles.
		Voltage Proof	No defects.	
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate A (glass epoxy
	High	Capacitance Change	Within ±15%	board) shown in "Complement of Test Method". Test Temperature: 40±2°C Test Humidity: 90 to 95%RH
16	Temperature High	D.F.	0.05 max.	Test Time: 500+24/-0h.
	Humidity	I.R.	1000MΩ or more	Applied Voltage: Rated voltage Exposure Time: 24±2h at room condition (*1).
	(Steady)	Voltage Proof	No defects.	Pretreatment Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition (*1).
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate A (glass epoxy
		Capacitance Change	Within ±20%	board) shown in "Complement of Test Method". Test Temperature: Max. Operating Temp. ±3°C Charge/discharge current: 50mA max.
		D.F.	0.05 max.	
		I.R.	1000MΩ or more	Nominal Capacitance Test Time Test Voltage C ≥ 10000pF 1000+48/-0h AC300V (r.m.s.)
17	Durability	Voltage Proof	No defects.	C < 10000pF 1500+48/-0h (*2) AC500V (r.m.s.) *2 Except that once each hour the voltage is increased to AC1000V (r.m.s.) for 0.1s. Exposure Time: 24±2h at room condition (*1). • Pretreatment Apply test voltage for 1h±5min at test temperature. Remove and let sit for 24±2h at room condition (*1).

 $^{^{*}1}$ Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

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GA2 Series Specifications and Test Methods (1)

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Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

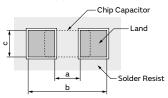
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

(1) Test Substrate A

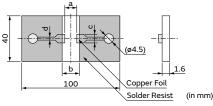
Land Dimensions



Part Number	Dimension (mm)				
Part Number	a	b	С		
GRM42	3.5	7.0	2.4		
GRM43	3.5	7.0	3.7		
GRM52	4.5	8.0	3.2		
GRM55	4.5	8.0	5.6		

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

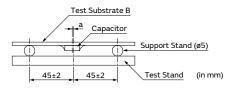


Part Number	Dimension of Pattern (mm)				
Part Number	a	ь	С	d	
GRM42	3.5	7.0	2.4	1.0	
GRM43	3.5	7.0	3.7	1.0	
GRM52	4.5	8.0	3.2	1.0	
GRM55	4.5	8.0	5.6	1.0	

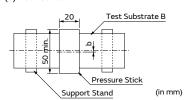
- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

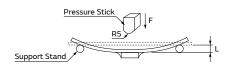
(a) Support State



(b) Test State



- a: ±2 gap between support stand center and test stand
- b: ± 5 gap between support stand center and test stand center
- Material of Test Stand and Pressure Stick
- The material should be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



Safety Standard Certified Chip Multilayer Ceramic Capacitors for General Purpose / IEC60384-14 Class X2

GA3 Series Type GB







IEC60384-14 X2 Class Certified Product

Features

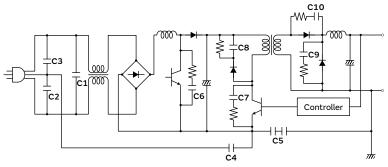
1 International Standard (IEC60384-14) certified product.

Please down load Safety Standard Certification (Type GB: X2) from here. WEB

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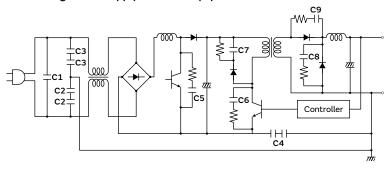
2 Can be used as a Class X2 capacitor.

Switching Power Supply - Class 1 Equipment



No.	Application	Recommend MLCC Type
C1	X Cap	Type: GB
C2		
С3	Y Cap	Type: GF
C4		
C5	Primary - Secondary Coupling	Type: GF×2

Switching Power Supply - Class 2 Equipment



No.	Application	Recommend MLCC Type	
C1	X Cap	Type: GB	
C2	Y Cap		
С3	т Сар	Type: GF×2	
C4	Primary - Secondary Coupling		

GRM

GR3

GRJ

GR4

GR7

GJM

GQM

GA2

GA3 GD

GA3 GG

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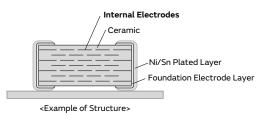
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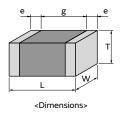
Realized large capacitance value and small size while maintaining high withstand voltages by the multilayer structure.



- Compared with conventional lead type capacitors, this product realized great reductions in size and height, with a volume of 1/10 or less, and height of 1/4 or less.
- This product is only for reflow soldering.

Specifications

Size (mm)	5.7×5.0mm
Rated Voltage	250Vac
Capacitance	10000pF to 56000pF
Main Applications	AC-DC power supply



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GA3 Series Type GB High Dielectric Constant Type Part Number List

5.7×5.0mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	р*
1.5mm	250Vac	X7R	10000pF	±10%	GA355QR7GB103KW01#	p192
			15000pF	±10%	GA355QR7GB153KW01#	p192
2.0mm	250Vac	X7R	22000pF	±10%	GA355DR7GB223KW01#	p192
2.5mm	250Vac	X7R	33000pF	±10%	GA355ER7GB333KW01#	p192
			47000pF	±10%	GA355ER7GB473KW01#	p192
2.9mm	250Vac	X7R	56000pF	±10%	GA355XR7GB563KW06#	p192

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GA3 Series Type GB Specifications and Test Methods (1)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Appearance		No defects or abnormalities.	Visual inspection.
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.
3	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: DC1075V Applied Time: 60±1s Charge/discharge current: 50mA max.
4	Insulation Res	sistance (I.R.)	6000 M Ω or more	Measurement Point: Between the terminations Measurement Voltage: DC500±50V Charging Time: 60±5s Measurement Temperature: Room Temperature
5	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
6	Dissipation Fa	actor (D.F.)	0.025 max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2V (r.m.s.)
7	Temperature Characteristics of Capacitance		R7: Within ±15% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h. at room condition*.
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in
		Capacitance	Within the specified initial value.	"Complement of Test Method". Kind of Vibration: A simple harmonic motion
8	Vibration D.F.		Within the specified initial value.	10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
9	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.
		Appearance	No defects or abnormalities.	Test Method: Solder bath method
		Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C
	Resistance	I.R.	1000MΩ or more	Immersion time: 10±1s Immersing in speed: 25±2.5mm/s.
10	to Soldering Heat	Voltage Proof	No defects.	Exposure Time: 24±2h at room condition*. Preheat: GA355 size: 100 to 120°C for 1min and 170 to 200°C for 1min • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.
11	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.
12	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering

 $^{{}^*\,}Room\,Condition; Temperature: 15\,to\,35^\circ C,\,Relative\,humidity: 45\,to\,75\%,\,Atmosphere\,pressure: 86\,to\,106 kPa$

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GA3 Series Type GB Specifications and Test Methods (1)

Continued from the preceding page.

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
		Appearance Capacitance Change	No defects or abnormalities. Within±15%	Fix the capacitor to the supporting test substrate A (glass epox board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table.		
		D.F.	0.05 max.	Step Temp. (°C) Time (min)		
	Temperature	I.R.	3000MΩ or more	1 Min. Operating Temp. +0/-3 30±3		
13	Sudden Change	Voltage Proof	No defects.	2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate B (glass epoxy		
		Capacitance Change	Within±15%	board) shown in "Complement of Test Method". Before this test, the test shown in the following is performed. • No.11 Adhesive Strength of Termination (apply force: 5N)		
14	High	D.F.	0.05 max.	No.12 Substrate Bending Test		
	Temperature High Humidity (Steady)	I.R.	3000MΩ or more	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH		
		Voltage Proof	No defects.	Test Time: 500+24/-0h Applied Voltage: Rated voltage Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate B (glass epox		
		Capacitance Change	Within ±20%	board) shown in "Complement of Test Method". Before this test, the test shown in the following is performed. • No.11 Adhesive Strength of Termination (apply force: 5N)		
		D.F.	0.05 max.	No.12 Substrate Bending Test		
		I.R.	3000M $Ω$ or more	Next, Impulse Voltage test is performed. Each individual capacitor shall be subjected to a 2.5kV Impulse		
15	Durability	Voltage Proof	No defects.	(the voltage value means zero to peak) for 3 times. Then the capacitors are applied to life test. 100 (%) 90 100 100 100 100 100 100 100 100 100		

^{*} Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

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GA3 Series Type GB Specifications and Test Methods (1)

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No	ltem	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
16	Passive Flammability	The burning time shall not be exceeded the time 30s. The tissue paper shall not ignite.	The capacitor under test shall be held in the flame in the position which best promotes burning. Each specimen shall only be exposed once to the flame. Time of exposure to flame: 30s Length of flame: 12±1mm Gas burner: Length 35mm min. Inside dia: 0.5±0.1mm Outside dia: 0.9mm max. Gas: Butane gas purity 95% min. Approximately 8mm Buner Flame 200±5mm Test Specimen Approximately 8mm Wood Board of Approximately 10mm in Thickness
17	Active Flammability	The cheesecloth shall not be on fire.	The specimens shall be individually wrapped in at least one but more than two complete layers of cheesecloth. The specimens shall be subjected to 20 discharges. The interval between successive discharges shall be 5s. The UAC shall be maintained for 2min after the last discharge. $\frac{51}{52} \frac{1}{\sqrt{11-\frac{12}{22}}} \frac{1}{11-\frac{12$

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GA3 Series Type GB Specifications and Test Methods (1)

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Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

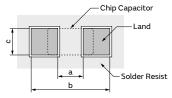
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

(1) Test Substrate A

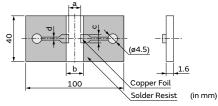
Land Dimensions



Part Number	Dimension (mm)			
Part Number	a	ь	С	
GA355	4.5	8.0	5.6	

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

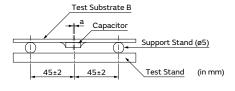


Part Number	Dimension of Pattern (mm)				
Part Number	a	b	С	d	
GA355	4.5	8.0	5.6	1.0	

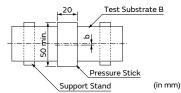
- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

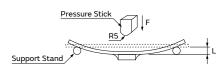
(a) Support State



(b) Test State



- a: ± 2 gap between support stand center and test stand
- b: ±5 gap between support stand center and test stand center
- Material of Test Stand and Pressure Stick
 - The material shoud be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



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Safety Standard Certified Chip Multilayer Ceramic Capacitors for General Purpose / Acquired certifications of UL60950-1

GA3 Series Type GD <







UL60950-1 Certified Product

Features

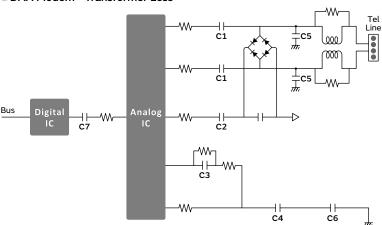
International Standard (IEC60384-14) certified product.

Please down load Safety Standard Certification (Type GD) from here.



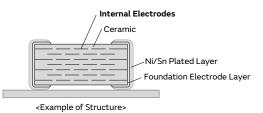
Can be uesd for UL60950-1 devices.





No.	Application	Recommend MLCC Type
C5	Lighting Surge Absorption	
C6	Noise Immunity	Type: GD / GF
C7	D/A Isolation Barrier	

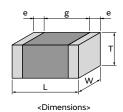
Realized large capacitance value and small size while maintaining high withstand voltages by the multilayer structure.



This product is only for reflow soldering.

Specifications

Size (mm)	4.5×2.0mm to 4.5×3.2mm
Rated Voltage	250Vac
Capacitance	10pF to 4700pF
Main Applications	Modem



GND

This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GA3 Series Type GD Temperature Compensating Type Part Number List

4.5×2.0mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.0mm	250Vac	SL	10pF	±5%	GA342A1XGD100JW31#	p199
			12pF	±5%	GA342A1XGD120JW31#	p199
			15pF	±5%	GA342A1XGD150JW31#	p199
			18pF	±5%	GA342A1XGD180JW31#	p199
			22pF	±5%	GA342A1XGD220JW31#	p199
			27pF	±5%	GA342A1XGD270JW31#	p199
			33pF	±5%	GA342A1XGD330JW31#	p199
			39pF	±5%	GA342A1XGD390JW31#	p199
			47pF	±5%	GA342A1XGD470JW31#	p199
			56pF	±5%	GA342A1XGD560JW31#	p199
			68pF	±5%	GA342A1XGD680JW31#	p199
			82pF	±5%	GA342A1XGD820JW31#	p199

GA3 Series Type GD High Dielectric Constant Type Part Number List

4.5×2.0mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.5mm	250Vac	X7R	100pF	±10%	GA342QR7GD101KW01#	p203
			150pF	±10%	GA342QR7GD151KW01#	p203
			220pF	±10%	GA342QR7GD221KW01#	p203
			330pF	±10%	GA342QR7GD331KW01#	p203
			470pF	±10%	GA342QR7GD471KW01#	p203
			680pF	±10%	GA342QR7GD681KW01#	p203
			1000pF	±10%	GA342QR7GD102KW01#	p203
			1500pF	±10%	GA342QR7GD152KW01#	p203

4.5×3.2mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	р*
1.5mm	250Vac	X7R	1800pF	±10%	GA343QR7GD182KW01#	p203
			2200pF	±10%	GA343QR7GD222KW01#	p203
2.0mm	250Vac	X7R	4700pF	±10%	GA343DR7GD472KW01#	p203

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GA3 Series Type GD Specifications and Test Methods (1)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Appearance		No defects or abnormalities.	Visual inspection.
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.
3			No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: AC1500V (r.m.s.) Applied Time: 60±1s Charge/discharge current: 50mA max.
4	Impulse Voltage		No self healing break downs or flash-overs have taken place in the capacitor.	10 impulse of alternating polarity is subjected. (5 impulse for each polarity) The interval between impulse is 60s. Applied Voltage: 2.5kVo-p
5	Insulation Res	sistance (I.R.)	6000MΩ or more	Measurement Point: Between the terminations Measurement Voltage: DC500±50V Charging Time: 60±5s Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	
7	Q		C ≥ 30pF: 1000 or more C < 30pF: 400+20C or more C: Nominal Capacitance (pF)	Measurement Temperature: Room Temperature Measurement Frequency: 1.0±0.1MHz Measurement Voltage: AC1.0±0.2V (r.m.s.)
8	Temperature Characteristics of Capacitance		1X: +350 to -1000 ppm/°C (Temp.Range:+20 to +85°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C)
	Appearance		No defects or abnormalities.	Solder the capacitor on the test substrate A shown in
		Capacitance	Within the specified initial value.	"Complement of Test Method".
9	Vibration	Q	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
10	0 Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.
		Appearance	No defects or abnormalities.	Test Method: Solder bath method
	Resistance to	Capacitance Change	Within±2.5% or ±0.25pF (Whichever is larger)	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s
11	Soldering	I.R.	1000M Ω or more	Immersing in speed: 25±2.5mm/s.
	Heat	Voltage Proof	No defects.	Exposure Time: 24±2h at room condition*. Preheat: GA342 size: 100 to 120°C for 1min and 170 to 200°C for 1min
12	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.
13	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering

 $^{^{\}star}$ Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

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GA3 Series Type GD Specifications and Test Methods (1)

Continued from the preceding page. \searrow

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate A (glass epoxy		
	Temperature Sudden Change	Capacitance Change	Within ±2.5% or ±0.25pF (Whichever is larger)	board) shown in "Complement of Test Method" Perform the 5 cycles according to the four heat treatments shown in the following table.		
		Q	Within the specified initial value.	Step Temp. (°C) Time (min)		
14		I.R.	3000MΩ or more	1 Min. Operating Temp. +0/-3 30±3		
		Voltage Proof	No defects.	2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time: 24±2h at room condition*.		
		Appearance	No defects or abnormalities.			
	High	Capacitance Change	Within ±5.0% or ±0.5pF (Whichever is larger)	Fix the capacitor to the supporting test substrate B (glass epoxy board) shown in "Complement of Test Method". Before this test, the test shown in the following is performed.		
15	Temperature High	Q	C ≥ 30pF: 350 or more C < 30pF: 275+5/2C or more	No.12 Adhesive Strength of Termination (apply force: 5N) No.13 Substrate Bending Test Test Temperature: 40±2°C		
	Humidity (Steady)	I.D.	C: Nominal Capacitance (pF) 3000MΩ or more	Test Humidity: 90 to 95%RH		
	,	I.R. Voltage	3000MΩ or more	Test Time: 500+24/-0h. Applied Voltage: Rated voltage		
		Proof	No defects.	Exposure Time:24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate B (glass epoxy board) shown in "Complement of Test Method".		
		Capacitance Change	Within ±3.0% or ±0.3pF (Whichever is larger)	Before this test, the test shown in the following is performed. • No.12 Adhesive Strength of Termination (apply force: 5N)		
		Q	C ≥ 30pF: 350 or more C < 30pF: 275+5/2C or more	No.13 Substrate Bending Test Next, Impulse Voltage test is performed.		
	Durability		C: Nominal Capacitance (pF)	Each individual capacitor shall be subjected to a 2.5kV Impulse		
		I.R.	3000MΩ or more	(the voltage value means zero to peak) for 3 times. Then the capacitors are applied to life test.		
16		Voltage Proof	I NO DETECTS	Front time (T1) = 1.2 μ s=1.67T Time to half-value (T2) = 50 μ s Apply voltage as Table for 1000h at 125+2/-0°C , relative		
				Applied voltage AC425V (r.m.s.), except that once each hour the voltage is increased to AC1000V (r.m.s.) for 0.1s. Exposure Time: 24±2h at room condition*.		
17	17 Passive Flammability		The burning time shall not be exceeded the time 30s. The tissue paper shall not ignite.	The capacitor under test shall be held in the flame in the position which best promotes burning. Each specimen shall only be exposed once to the flame. Time of exposure to flame: 30s Length of flame: 12±1mm Gas burner: Length 35mm min. Inside dia: 0.5±0.1mm Outside dia: 0.9mm max. Gas: Butane gas purity 95% min. Approximately 8mm Buner Flame 200±5mm Tissue Paper		
				Wood Board of Approximately 10mm in Thickness		
* R	* Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa					

 $^{{}^*\,}Room\,Condition:\,Temperature:\,15\,to\,35^\circ\text{C},\,Relative\,\,humidity:\,45\,to\,75\%,\,Atmosphere\,pressure:\,86\,to\,106\text{kPa}$

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GA3 Series Type GD Specifications and Test Methods (1)

Continued from the preceding page.

No	Item	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
			The specimens shall be individually wrapped in at least one but more than two complete layers of cheesecloth. The specimens shall be subjected to 20 discharges. The interval between successive discharges shall be 5s. The UAC shall be maintained for 2min after the last discharge.
			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
			C1, C2: Filter capacitor 1µF±10%
18	Active Flammability	The cheesecloth shall not be on fire.	C3: Capacitor 0.033μF±5% L1 to L4: Rod coa choke 1.5mH±20%, 16A R: Resistor 100Ω±2% Cx < 0.068μF Ct: Tank capacitor 3μF±5% 10kV Cx ≦ 1μF U-: UR±5% UR: Rated voltage Cx: Capacitor under test F: Slow-blow fuse, rated 16A Ut: Voltage to which the tank capacitor Ct is charged
			time

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GA3 Series Type GD Specifications and Test Methods (1)

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Complement of Test Method

1. Test Substrate

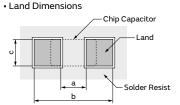
The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

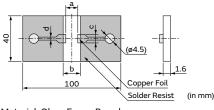
(1) Test Substrate A



David Massachass	Dimension (mm)				
Part Number	a	ь	С		
GA342	3.5	7.0	2.4		

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

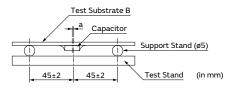


Part Number	Dimension of Pattern (mm)				
	a	b	С	d	
GA342	3.5	7.0	2.4	1.0	

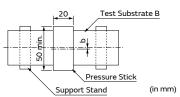
- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

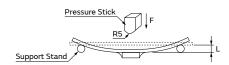
(a) Support State



(b) Test State



- a: ±2 gap between support stand center and test stand
- b: ± 5 gap between support stand center and test stand center
- Material of Test Stand and Pressure Stick
- The material should be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



GA3 Series Type GD Specifications and Test Methods (2)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)	
1	Appearance		No defects or abnormalities.	Visual inspection.	
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.	
3	Voltage Proof Impulse Voltage Insulation Resistance (I.R.) Capacitance Dissipation Factor (D.F.)		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: AC1500V (r.m.s.) Applied Time: 60±1s Charge/discharge current: 50mA max.	
4	Impulse Voltage Insulation Resistance (I.R.) Capacitance		No self healing break downs or flash-overs have taken place in the capacitor.	10 impulse of alternating polarity is subjected. (5 impulse for each polarity) The interval between impulse is 60s. Applied Voltage: 2.5kVo-p	
5			6000 M Ω or more	Measurement Point: Between the terminations Measurement Voltage: DC500±50V Charging Time: 60±5s Measurement Temperature: Room Temperature	
6	·		Shown in Rated value.	Measurement Temperature: Room Temperature	
7			0.025 max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2V (r.m.s.)	
8	Characteristics		R7: Within ±15% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step	
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in	
		Capacitance	Within the specified initial value.	"Complement of Test Method". Kind of Vibration: A simple harmonic motion	
9	Vibration			10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).	
10	D Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.	
		Appearance	No defects or abnormalities.	Test Method: Solder bath method	
		Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s	
	Resistance	I.R.	1000MΩ or more	Immersing in speed: 25±2.5mm/s.	
11	to Soldering Heat	Voltage Proof	No defects.	Exposure Time: 24±2h at room condition*. Preheat: GA342/43 size: 100 to 120°C for 1min and 170 to 200°C for 1min • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.	
12	Adhesive Stre		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.	

^{*} Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

Continued on the following page. 🖊

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GA3 Series Type GD Specifications and Test Methods (2)

Continued from the preceding page. \searrow

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)	
13	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method" Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering	
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate A (glass epoxy	
		Capacitance Change	Within±15%	board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table.	
		D.F.	0.05 max.	Step Temp. (°C) Time (min)	
14	Temperature Sudden	I.R.	3000 M Ω or more	1 Min. Operating Temp. +0/-3 30±3 2 Room Temp. 2 to 3	
14	Change	Voltage Proof	No defects.	A Room Temp. +3/-0 30±3 A Room Temp. +2 to 3 Exposure Time: 24±2h at room condition*. Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.	
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate B (glass epoxy	
		Capacitance Change	Within±15%	board) shown in "Complement of Test Method". Before this test, the test shown in the following is performed. • No.12 Adhesive Strength of Termination (apply force: 5N)	
	High	D.F.	0.05 max.	No.13 Substrate Bending Test	
15	Temperature High Humidity (Steady)	I.R.	3000 M Ω or more	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH	
		Voltage Proof	No defects.	Test Time: 500+24/-0h Applied Voltage: Rated voltage Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.	
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate B (glass epoxy	
		Capacitance Change	Within ±20%	board) shown in "Complement of Test Method". Before this test, the test shown in the following is performed. • No.12 Adhesive Strength of Termination (apply force: 5N)	
		D.F.	0.05 max.	No.13 Substrate Bending Test Next, Impulse Voltage test is performed.	
		I.R.	3000M $Ω$ or more	Each individual capacitor shall be subjected to a 2.5kV Impulse	
16	Durability	Voltage Proof	No defects.	(the voltage value means zero to peak) for 3 times. Then the capacitors are applied to life test. 100 (%) 90 50 Trime to half-value (T2) = 50μs Apply voltage as Table for 1000h at 125+2/-0°C, relative humidity 50% max. Applied Voltage AC425V (r.m.s.), except that once each hour the voltage is increased to AC1000V (r.m.s.) for 0.1s. Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.	

 $^{{\}rm *Room\ Condition:\ Temperature:\ 15\ to\ 35°C,\ Relative\ humidity:\ 45\ to\ 75\%,\ Atmosphere\ pressure:\ 86\ to\ 106kPallet and the second conditions of the second c$

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GA3 Series Type GD Specifications and Test Methods (2)

Cor	tinued from the preceding pag	ge. 🔰	
No	ltem	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
17	Passive Flammability	The burning time shall not be exceeded the time 30s. The tissue paper shall not ignite.	The capacitor under test shall be held in the flame in the position which best promotes burning. Each specimen shall only be exposed once to the flame. Time of exposure to flame: 30s Length of flame: 12±1mm Gas burner: Length 35mm min. Inside dia: 0.5±0.1mm Outside dia: 0.9mm max. Gas: Butane gas purity 95% min. Approximately 8mm Buner Flame 200±5mm Tissue Paper Wood Board of Approximately 10mm in Thickness
188	Active Flammability	The cheesecloth shall not be on fire.	The specimens shall be individually wrapped in at least one but more than two complete layers of cheesecloth. The specimens shall be subjected to 20 discharges. The interval between successive discharges shall be 5s. The UAC shall be maintained for 2min after the last discharge. $\begin{array}{c} 51 \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $

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GA3 Series Type GD Specifications and Test Methods (2)

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Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

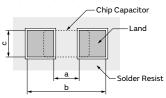
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

(1) Test Substrate A

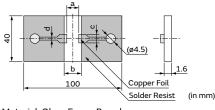
Land Dimensions



Part Number	Dimension (mm)						
Part Number	a	ь	С				
GA342	3.5	7.0	2.4				
GA343	3.5	7.0	3.7				

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

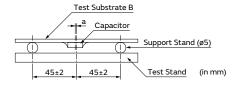


Part Number	Din	nension of	Pattern (m	nm)
Part Number	a	b	С	d
GA342	3.5	7.0	2.4	1.0
GA343	3.5	7.0	3.7	1.0

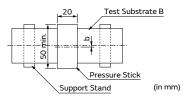
- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

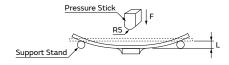
(a) Support State



(b) Test State



- a: ±2 gap between support stand center and test stand
- b: ± 5 gap between support stand center and test stand center
- Material of Test Stand and Pressure Stick
- The material should be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



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Safety Standard Certified Chip Multilayer Ceramic Capacitors for General Purpose / Acquired certifications of IEC60384-14 Class X1/Y2 and UL60950-1

GA3 Series Type GF







Size 4.5x2.0mm: This product is applicable only for the instruments certified by EN/IEC60950-1

Size 5.7x2.8mm or 5.7x5.0mm: This product is applicable as X or Y capacitor

Features

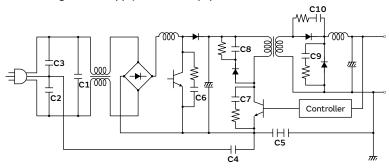
1 International Standard (IEC60384-14) certified product.

Please down load Safety Standard Certification (Type GF: X1/Y2) from here.



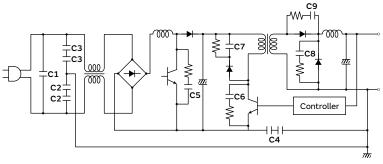
2 Can be used as a Class Y2 capacitor.

Switching Power Supply - Class 1 Equipment



No.	Application	Recommend MLCC Type
C1	X Cap	Type: GB
C2		
С3	Y Cap	Type: GF
C4		
C5	Primary - Secondary Coupling	Type: GF×2

Switching Power Supply - Class 2 Equipment



No.	Application	Recommend MLCC Type
C1	X Cap	Type: GB
C2	Y Сар	
С3	т Сар	Type: GF×2
C4	Primary - Secondary Coupling	

LLA LLL GA3 GA3 GA2 GQM GJM GR7

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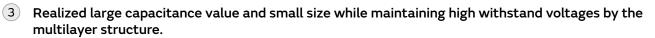
KR3

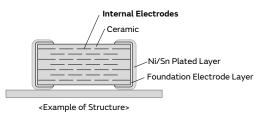
SMD / GMA

Caution

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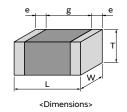




4 This product is only for reflow soldering.

Specifications

Size (mm)	4.5×2.0mm to 5.7×5.0mm
Rated Voltage	250Vac
Capacitance	10pF to 4700pF
Main Applications	AC-DC power supply



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GA2

GA3 Series Type GF Temperature Compensating Type Part Number List

4.5×2.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.0mm	250Vac	SL	10pF	±5%	GA342A1XGF100JW31#	p211
			12pF	±5%	GA342A1XGF120JW31#	p211
			15pF	±5%	GA342A1XGF150JW31#	p211
			18pF	±5%	GA342A1XGF180JW31#	p211
			22pF	±5%	GA342A1XGF220JW31#	p211
			27pF	±5%	GA342A1XGF270JW31#	p211
			33pF	±5%	GA342A1XGF330JW31#	p211
			39pF	±5%	GA342A1XGF390JW31#	p211
			47pF	±5%	GA342A1XGF470JW31#	p211
			56pF	±5%	GA342A1XGF560JW31#	p211
			68pF	±5%	GA342A1XGF680JW31#	p211
			82pF	±5%	GA342A1XGF820JW31#	p211

GJR

210

GA3 Series Type GF High Dielectric Constant Type Part Number List

4.5×2.0mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.5mm	250Vac	X7R	100pF	±10%	GA342QR7GF101KW01#	p215
			150pF	±10%	GA342QR7GF151KW01#	p215
			470pF	±10%	GA342QR7GF471KW01#	p215
			680pF	±10%	GA342QR7GF681KW01#	p215
2.2mm	250Vac	X7R	220pF	±10%	GA342DR7GF221KW02#	p215
			330pF	±10%	GA342DR7GF331KW02#	p215
			1000pF	±10%	GA342DR7GF102KW02#	p215

5.7×2.8mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
1.5mm	250Vac	X7R	100pF	±10%	GA352QR7GF101KW31#	p215
			150pF	±10%	GA352QR7GF151KW31#	p215
			220pF	±10%	GA352QR7GF221KW31#	p215
			330pF	±10%	GA352QR7GF331KW31#	p215
			470pF	±10%	GA352QR7GF471KW01#	p215
			680pF	±10%	GA352QR7GF681KW01#	p215
			1000pF	±10%	GA352QR7GF102KW01#	p215
			1500pF	±10%	GA352QR7GF152KW01#	p215

5.7×5.0mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
1.5mm	250Vac	X7R	1800pF	±10%	GA355QR7GF182KW01#	p215
			2200pF	±10%	GA355QR7GF222KW01#	p215
			3300pF	±10%	GA355QR7GF332KW01#	p215
2.0mm	250Vac	X7R	4700pF	±10%	GA355DR7GF472KW01#	p215

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GA3 Series Type GF Specifications and Test Methods (1)

No	ltem		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)			
1	Appearance		No defects or abnormalities.	Visual inspection.			
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.			
3	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: AC2000V (r.m.s.) Applied Time: 60±1s Charge/discharge current: 50mA max.			
4	Impulse Voltage		No self healing break downs or flash-overs have taken place in the capacitor.	10 impulse of alternating polarity is subjected. (5 impulse for each polarity) The interval between impulse is 60s. Applied Voltage: 2.5kVo-p			
5	Insulation Resistance (I.R.)		6000MΩ or more	Measurement Point: Between the terminations Measurement Voltage: DC500±50V Charging Time: 60±5s Measurement Temperature: Room Temperature			
6	Capacitance		Shown in Rated value.				
7	Q		C ≥ 30pF: 1000 or more C < 30pF: 400+20C or more C: Nominal Capacitance (pF)	Measurement Temperature: Room Temperature Measurement Frequency: 1.0±0.1MHz Measurement Voltage: AC1.0±0.2V (r.m.s.)			
8	Temperature Characteristics of Capacitance		1X: +350 to -1000 ppm/°C (Temp.Range:+20 to +85°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C)			
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate A shown in			
	Vibration	Capacitance	Within the specified initial value.	"Complement of Test Method".			
9		Q	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).			
10	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.			
		Appearance	No defects or abnormalities.	Test Method: Solder bath method			
	Resistance to	Capacitance Change	Within±2.5% or ±0.25pF (Whichever is larger)	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s			
11	Soldering	I.R.	1000MΩ or more	Immersing in speed: 25±2.5mm/s.			
	Heat	Voltage Proof	No defects.	Exposure Time: 24±2h at room condition*. Preheat: GA342 size: 100 to 120°C for 1min and 170 to 200°C for 1min			
12	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.			
13	Substrate Bending Test		No defects or abnormalities.	Solder the capacitor on the test substrate B shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Substrate Bending Test" of "Complement of Test Method". Flexure: 1mm Holding Time: 5±1s Soldering Method: Reflow soldering			

 $^{^{\}star}$ Room Condition: Temperature: 15 to 35°C, Relative humidity: 45 to 75%, Atmosphere pressure: 86 to 106kPa

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GA3 Series Type GF Specifications and Test Methods (1)

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No	o Item		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
14		Appearance Capacitance Change	No defects or abnormalities. Within ±2.5% or ±0.25pF (Whichever is larger)	Fix the capacitor to the supporting test substrate A (glass epoxy board) shown in "Complement of Test Method". Perform the 5 cycles according to the four heat treatments shown in the following table. Step Temp. (°C) Time (min)		
	Temperature	Q	Within the specified initial value.			
	Sudden Change	I.R.	3000MΩ or more	1 Min. Operating Temp. +0/-3 30±3		
		Voltage Proof	No defects.	2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time: 24±2h at room condition*.		
	Humidity	Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate B (glass epoxy		
15		Capacitance Change	Within ±5.0% or ±0.5pF (Whichever is larger)	board) shown in "Complement of Test Method". Before this test, the test shown in the following is performed.		
		Q	C ≥ 30pF: 350 or more C < 30pF: 275+5/2C or more C: Nominal Capacitance (pF)	No.12 Adhesive Strength of Termination (apply force: 5N) No.13 Substrate Bending test Test Temperature: 40±2°C Test Humidity: 90 to 95%RH Test Time: 500+24/-0h Applied Voltage Pated voltage		
	(Steady)	I.R.	3000MΩ or more			
		Voltage Proof	No defects.	Applied Voltage: Rated voltage Exposure Time: 24±2h at room condition*.		
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate B (glass epoxiboard) shown in "Complement of Test Method". Before this test, the test shown in the following is performed. No.12 Adhesive Strength of Termination (apply force: 5N) No.13 Substrate Bending test Next, Impulse Voltage test is performed. Each individual capacitor shall be subjected to a 5kV Impulse		
		Capacitance Change	Within ±3.0% or ±0.3pF (Whichever is larger)			
	Durability	Q	C ≧ 30pF: 350 or more C < 30pF: 275+5/2C or more C: Nominal Capacitance (pF)			
		I.R.	3000MΩ or more	(the voltage value means zero to peak) for 3 times. Then the capacitors are applied to life test.		
16		Voltage Proof	No defects.	Front time (T1) = 1.2 μ s=1.67T Time to half-value (T2) = 50 μ s Apply voltage as Table for 1000h at 125+2/-0°C , relative		
				humidity 50% max. Applied voltage AC425V (r.m.s.), except that once each hour the voltage is increased to AC1000V (r.m.s.) for 0.1s. Exposure Time: 24±2h at room condition*.		
17	Passive Flammability		The burning time shall not be exceeded the time 30s. The tissue paper shall not ignite.	The capacitor under test shall be held in the flame in the position which best promotes burning. Each specimen shall only be exposed once to the flame. Time of exposure to flame: 30s Length of flame: 12±1mm Gas burner: Length 35mm min. Inside dia: 0.5±0.1mm Outside dia: 0.9mm max. Gas: Butane gas purity 95% min. Approximately 8mm Buner Flame Test Specimen Test Specimen		
				Wood Board of Approximately 10mm in Thickness		
* 5	Condit:	T 1	5 to 35°C Relative humidity: 45 to 75% Atmosphere pr	., ,		

 $^{{\}rm *Room\ Condition:}\ Temperature: 15\ to\ 35^{\circ}C, Relative\ humidity: 45\ to\ 75\%, Atmosphere\ pressure: 86\ to\ 106 kPa$

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GA3 Series Type GF Specifications and Test Methods (1)

Continued from the preceding page. \searrow

No	ltem	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
			The specimens shall be individually wrapped in at least one but more than two complete layers of cheesecloth. The specimens shall be subjected to 20 discharges. The interval between successive discharges shall be 5s. The UAC shall be maintained for 2min after the last discharge.
			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
			C1, C2: Filter capacitor 1µF±10%
18	Active Flammability	The cheesecloth shall not be on fire.	C3: Capacitor 0.033µF±5% L1 to L4: Rod coa choke 1.5mH±20%, 16A R: Resistor 100Ω±2% Cx < 0.068µF Ct: Tank capacitor 3µF±5% 10kV Cx ≦ 1µF U-: UR±5% UR: Rated voltage Cx: Capacitor under test F: Slow-blow fuse, rated 16A Ut: Voltage to which the tank capacitor Ct is charged
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GA3 Series Type GF Specifications and Test Methods (1)

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Complement of Test Method

1. Test Substrate

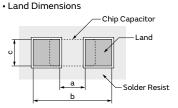
The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

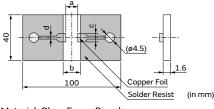
(1) Test Substrate A



Part Number	Dimension (mm)			
Part Number	a	ь	С	
GA342	3.5	7.0	2.4	

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

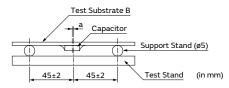


Dawk Niveshau	Dimension of Pattern (mm)			
Part Number	a	b	С	d
GA342	3.5	7.0	2.4	1.0

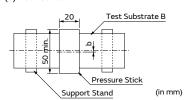
- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

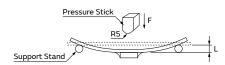
(a) Support State



(b) Test State



- a: ± 2 gap between support stand center and test stand
- b: ± 5 gap between support stand center and test stand center
- Material of Test Stand and Pressure Stick
- The material should be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



GA3 Series Type GF Specifications and Test Methods (2)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)	
1	Appearance		No defects or abnormalities.	Visual inspection.	
2	Dimension		Within the specified dimensions.	Using calipers and micrometers.	
3	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: AC2000V (r.m.s.) Applied Time: 60±1s Charge/discharge current: 50mA max.	
4	Impulse Volta	ge	No self healing break downs or flash-overs have taken place in the capacitor.	10 impulse of alternating polarity is subjected. (5 impulse for each polarity) The interval between impulse is 60s. Applied Voltage: 2.5kVo-p	
5	Insulation Res	sistance (I.R.)	6000 M Ω or more	Measurement Point: Between the terminations Measurement Voltage: DC500±50V Charging Time: 60±5s Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature	
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature	
7	Dissipation Fa	actor (D.F.)	0.025 max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: AC1.0±0.2V (r.m.s.)	
8	Temperature Characteristics of Capacitance		R7: Within ±15% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.	
	Appearance		No defects or abnormalities.	Solder the capacitor on the test substrate A shown in	
9	Vibration	D.F.	Within the specified initial value. Within the specified initial value.	"Complement of Test Method". Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).	
10	Solderability		95% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (wt)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 245±5°C Immersion time: 2±0.5s Immersing in speed: 25±2.5mm/s.	
		Appearance	No defects or abnormalities.	Test Method: Solder bath method	
		Capacitance Change	Within ±10%	Solder: Sn-3.0Ag-0.5Cu (Lead Free Solder) Solder Temp.: 260±5°C Immersion time: 10±1s	
	Resistance to	I.R.	1000M Ω or more	Immersing in speed: 25±2.5mm/s.	
11	Soldering Heat	Voltage Proof	No defects.	Exposure Time: 24±2h at room condition*. Preheat: GA342/52/55 size: 100 to 120°C for 1min and 170 to 200°C for 1min • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.	
12	Adhesive Strength of Termination		No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate A shown in "Complement of Test Method". 10N, 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.	

 $^{{\}rm *Room\ Condition:}\ Temperature:\ 15\ to\ 35^{\circ}C,\ Relative\ humidity:\ 45\ to\ 75\%,\ Atmosphere\ pressure:\ 86\ to\ 106\ kPa$

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GA3 Series Type GF Specifications and Test Methods (2)

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No	No Item		Specification	Tes	t Method (Ref. Standard: JIS C 5101, IEC60384)		
13	Substrate Bending Test		No defects or abnormalities.	"Complei Then app Substrate Flexure: 1 Holding 1	e capacitor on the test substrate B shown in ment of Test Method". ly the force in the direction shown in "Test Method of e Bending Test" of "Complement of Test Method". lmm Time: 5±1s Method: Reflow soldering		
		Appearance	No defects or abnormalities.		apacitor to the supporting test substrate A (glass epoxy		
		Capacitance Change	Within±15%	Perform	own in "Complement of Test Method". the 5 cycles according to the four heat treatments the following table.		
		D.F.	0.05 max.	Step	Temp. (°C)		
14	Temperature Sudden	I.R.	3000M $Ω$ or more		Min. Operating Temp. +0/-3 30±3 Room Temp. 2 to 3		
14	Change			3 4	Max. Operating Temp. +3/-0 30±3 Room Temp. 2 to 3		
		Voltage Proof	No defects.	• Pretrea Perform	Time: 24±2h at room condition*. tment a heat treatment at 150+0/-10°C for 1h±5min and it for 24±2h at room condition*.		
		Appearance	No defects or abnormalities.		apacitor to the supporting test substrate B (glass epoxy		
		Capacitance Change	Within±15%	Before th	own in "Complement of Test Method". is test, the test shown in the following is performed. dhesive Strength of Termination (apply force: 5N)		
	High	D.F.	0.05 max.	• No.13 S	ubstrate Bending Test		
15	Temperature High	I.R.	3000 M Ω or more		perature: 40±2°C nidity: 90 to 95%RH		
	Humidity (Steady)	Voltage Proof	No defects.	Test Time: 500+24/-0h Applied Voltage: Rated voltage Exposure Time: 24±2h at room condition*. • Pretreatment Perform a heat treatment at 150+0/-10°C for 1h±5min and then let sit for 24±2h at room condition*.			
		Appearance	No defects or abnormalities.	Fix the capacitor to the supporting test substrate B (glas			
		Capacitance Change	Within ±20%	board) shown in "Complement of Test Method". Before this test, the test shown in the following is performed. No.12 Adhesive Strength of Termination (apply force: 5N) No.13 Substrate Bending Test Next, Impulse Voltage test is performed.			
		D.F.	0.05 max.				
		I.R.	3000 M Ω or more		vidual capacitor shall be subjected to a 5kV Impulse		
16	Durability	Voltage Proof	No defects.	Apply vol humidity AC42! is increase. Exposure Perform at then let s	Front time (T1) = 1.2µs=1.67T Time to half-value (T2) = 50µs tage as Table for 1000h at 125+2/-0°C, relative 50% max. Applied Voltage 6V (r.m.s.), except that once each hour the voltage eased to AC1000V (r.m.s.) for 0.1s. Time: 24±2h at room condition*. thenet a heat treatment at 150+0/-10°C for 1h±5min and ait for 24±2h at room condition*.		

 $^{{\}rm * Room\ Condition:}\ Temperature:\ 15\ to\ 35^{\circ}C,\ Relative\ humidity:\ 45\ to\ 75\%,\ Atmosphere\ pressure:\ 86\ to\ 106\ kPa$

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GA3 Series Type GF Specifications and Test Methods (2)

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No	ltem	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)					
17	Passive Flammability	The burning time shall not be exceeded the time 30s. The tissue paper shall not ignite.	The capacitor under test shall be held in the flame in the position which best promotes burning. Each specimen shall only be exposed once to the flame. Time of exposure to flame: 30s Length of flame: 12±1mm Gas burner: Length 35mm min. Inside dia: 0.5±0.1mm Outside dia: 0.9mm max. Gas: Butane gas purity 95% min. Approximately 8mm Flame Vood Board of Approximately 10mm in Thickness					
18	Active Flammability	The cheesecloth shall not be on fire.	The specimens shall be individually wrapped in at least one but more than two complete layers of cheesecloth. The specimens shall be subjected to 20 discharges. The interval between successive discharges shall be 5s. The UAC shall be maintained for 2min after the last discharge. $\begin{array}{cccccccccccccccccccccccccccccccccccc$					

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GA3 Series Type GF Specifications and Test Methods (2)

Continued from the preceding page.

Complement of Test Method

1. Test Substrate

The test substrate should be Substrate A or Substrate B as described in "Specifications and Test Methods".

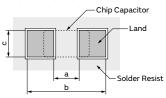
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Solder: Sn-3.0Ag-0.5Cu

(1) Test Substrate A

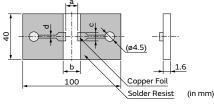
Land Dimensions



Part Number	Dimension (mm)						
Part Number	a	ь	С				
GA342	3.5	7.0	2.4				
GA352	4.5	8.0	3.2				
GA355	4.5	8.0	5.6				

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of Copper Foil: 0.035mm

(2) Test Substrate B

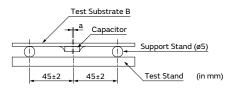


Part Number	Dimension of Pattern (mm)						
Part Number	a	b	С	d			
GA342	3.5	7.0	2.4	1.0			
GA352	4.5	8.0	3.2	1.0			
GA355	4.5	8.0	5.6	1.0			

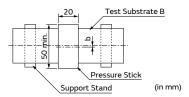
- Material: Glass Epoxy Board
- Thickness of Copper Foil: 0.035mm

2. Test Method of Substrate Bending Test

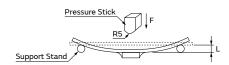
(a) Support State



(b) Test State



- a: ±2 gap between support stand center and test stand
- b: ± 5 gap between support stand center and test stand center
- Material of Test Stand and Pressure Stick
- The material should be a metal where a remarkable transformation and the distortion are not caused even if it is pressurized.
- Pressurizing Speed
 - The pressurizing speed is pressurized at the speed of about 1mm/s until the flexure reaches a regulated value.



LLL Series





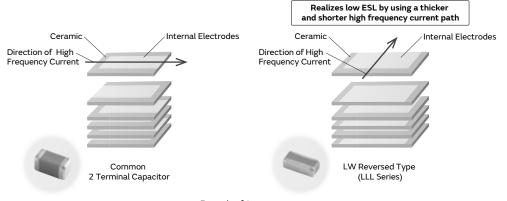


This low ESL capacitor is ideal for power supply decoupling of high-speed operation electronic equipment.

Features

1 Low ESL

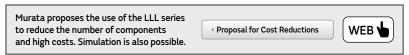
Since the equivalent series inductance (ESL) is low and excellent in high frequency characteristics, this capacitor is suitable for power supply decoupling of high-speed operation electronic equipment.

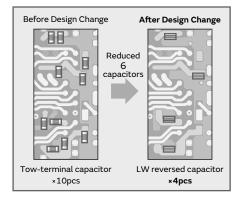


<Example of Structure>

2 Contributes to a reduction in the number of components.

The number of components can be reduced by using low ESL capacitors, while maintaining functions equivalent to general purpose capacitors (GRM Series).



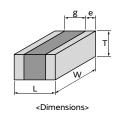


3 A maximum operating temperature up to 125°C

We also offer an abundant lineup of X7* characteristics that can be used in high temperature locations, such as IC packages.

Specifications

Size (mm)	0.5×1.0mm to 1.6×3.2mm
Rated Voltage	2.5Vdc to 50Vdc
Capacitance	2200pF to 10μF
Main Applications	Application processor/CPU/GPU



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GRM

GR3

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LLL Series High Dielectric Constant Type 🖭 Part Number List

0.5×1.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.35mm	6.3Vdc	X6S	0.10µF	±20%	LLL153C80J104ME01#	
			0.22µF	±20%	LLL153C80J224ME14#	
	4Vdc	X7S	0.47µF	±20%	LLL153C70G474ME17#	
		X6S	1.0µF	±20%	LLL153C80G105ME21#	

0.6×1.0mm

T max.	Rated Voltage		Сар.	Tol.	Part Number	
0.45mm	4Vdc	X5R	4.3µF	±20%	LLL1U4R60G435ME22#	D1

0.8×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.5mm	25Vdc	X7R	10000pF	±20%	LLL185R71E103MA11#
	16Vdc	X7R	22000pF	±20%	LLL185R71C223MA11#
			47000pF	±20%	LLL185R71C473MA11#
	10Vdc	X7R	0.10µF	±20%	LLL185R71A104MA11#
	4Vdc	X7S	0.22µF	±20%	LLL185C70G224MA11#
0.55mm	4Vdc	X7S	2.2µF	±20%	LLL185C70G225ME01#
0.6mm	50Vdc	X7R	2200pF	±20%	LLL185R71H222MA01#
			4700pF	±20%	LLL185R71H472MA01#
	25Vdc	X7R	10000pF	±20%	LLL185R71E103MA01#
			22000pF	±20%	LLL185R71E223MA01#
	16Vdc	X7R	47000pF	±20%	LLL185R71C473MA01#
	10Vdc	X7R	0.10µF	±20%	LLL185R71A104MA01#
			0.22µF	±20%	LLL185R71A224MA01#
	4Vdc	X7S	0.47µF	±20%	LLL185C70G474MA01#

1.25×2.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.5mm	50Vdc	X7R	10000pF	±20%	LLL215R71H103MA11#	
	25Vdc	X7R	22000pF	±20%	LLL215R71E223MA11#	
	16Vdc	X7R	47000pF	±20%	LLL215R71C473MA11#	
			0.10µF	±20%	LLL215R71C104MA11#	
	10Vdc	X7R	0.22µF	±20%	LLL215R71A224MA11#	
	6.3Vdc	X7R	0.47µF	±20%	LLL215R70J474MA11#	
	4Vdc	X7S	1.0µF	±20%	LLL215C70G105MA11#	
0.7mm	50Vdc	X7R	10000pF	±20%	LLL216R71H103MA01#	
			22000pF	±20%	LLL216R71H223MA01#	
	25Vdc	X7R	47000pF	±20%	LLL216R71E473MA01#	
			0.10µF	±20%	LLL216R71E104MA01#	
	10Vdc	X7R	0.22µF	±20%	LLL216R71A224MA01#	
0.95mm	16Vdc	X7R	0.22µF	±20%	LLL219R71C224MA01#	
	10Vdc	X7R	0.47µF	±20%	LLL219R71A474MA01#	
			1.0µF	±20%	LLL219R71A105MA01#	
	4Vdc	X7S	2.2µF	±20%	LLL219C70G225MA01#	

1.6×3.2mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.5mm	50Vdc	X7R	10000pF	±20%	LLL315R71H103MA11#
			22000pF	±20%	LLL315R71H223MA11#
	25Vdc	X7R	47000pF	±20%	LLL315R71E473MA11#
			0.10µF	±20%	LLL315R71E104MA11#
	16Vdc	X7R	0.22µF	±20%	LLL315R71C224MA11#
	10Vdc	X7R	0.47µF	±20%	LLL315R71A474MA11#
0.8mm	50Vdc	X7R	10000pF	±20%	LLL317R71H103MA01#
			22000pF	±20%	LLL317R71H223MA01#
			47000pF	±20%	LLL317R71H473MA01#
	25Vdc	X7R	0.10µF	±20%	LLL317R71E104MA01#
	16Vdc	X7R	0.22µF	±20%	LLL317R71C224MA01#
			0.47µF	±20%	LLL317R71C474MA01#
	10Vdc	X7R	1.0µF	±20%	LLL317R71A105MA01#
	6.3Vdc	X7R	2.2µF	±20%	LLL317R70J225MA01#
1.25mm	50Vdc	X7R	0.10µF	±20%	LLL31MR71H104MA01#
	25Vdc	X7R	0.22µF	±20%	LLL31MR71E224MA01#
			0.47µF	±20%	LLL31MR71E474MA01#
	16Vdc	X7R	1.0µF	±20%	LLL31MR71C105MA01#
	10Vdc	X7R	2.2µF	±20%	LLL31MR71A225MA01#
	6.3Vdc	X7R	4.7µF	±20%	LLL31MR70J475MA01#
		X5R	10μF	±20%	LLL31MR60J106ME01#

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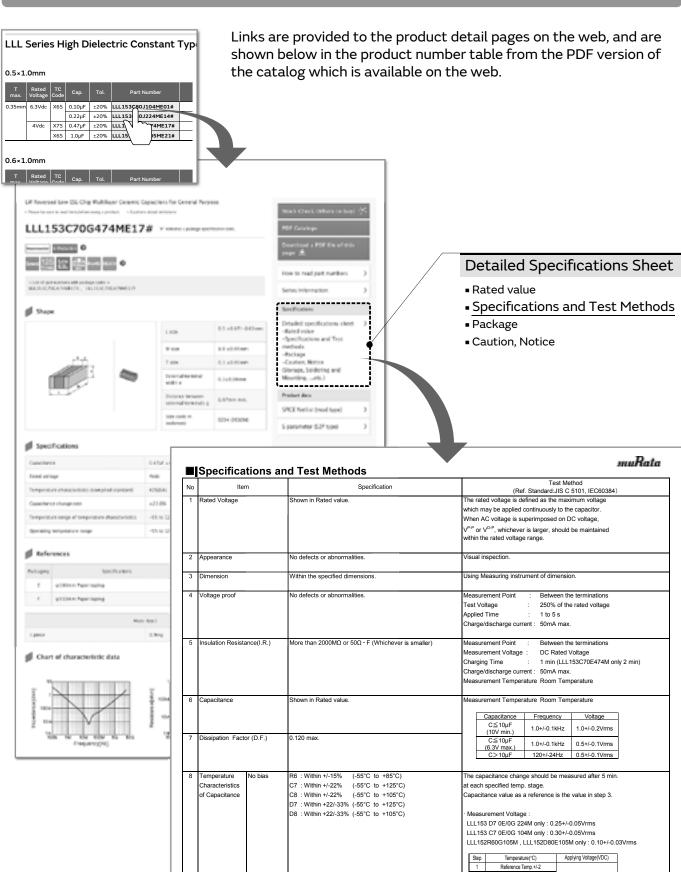
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GA3 GF

Specifications and Test Methods, please refer to the search web page. https://www.murata.com/en-global/products/capacitor



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8 Terminals Low ESL Chip Multilayer Ceramic Capacitors for General Purpose

LLA Series





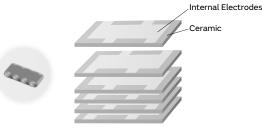


8-Terminal Type Low ESL Capacitor Ideal for Power Supply Decoupling of High-speed Operation IC

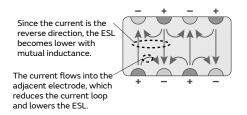
Features

(1) Ultra-low ESL

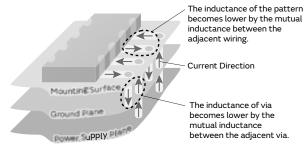
Since the equivalent series inductance (ESL) is very low with excellent high frequency characteristics due to the design structure, this capacitor is ideal for power supply decoupling of high-speed operation IC.



<Example of Structure>



<Effectiveness of Cancelling Out Inductance by Mutual Inductance>



<Effectiveness of Suppressing Inductance when Mounting a Multi-terminal Capacitor>

The inductance for the boards also becomes lower, not only the capacitor.

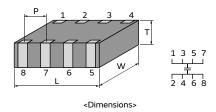
A maximum operating temperature up to 125°C

This product is applicable to high temperatures (X7* characteristics); however, Murata also offers numerous thin type products, which are ideal as decoupling capacitors on IC package.

Specifications

Size (mm)	1.6×0.8mm to 2.0×1.25mm
Rated Voltage	4Vdc to 25Vdc
Capacitance	10000pF to 4.7μF
Main Applications	Application processor/CPU/GPU

This catalog contains only a portion of the product lineup. Please refer to the capacitor search tool on the Murata Web site for details.



LLA Series High Dielectric Constant Type 🗃 Part Number List

1.6×0.8mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
0.55mm	4Vdc	X7S	0.10µF	±20%	LLA185C70G104MA01#	p224
			0.22µF	±20%	LLA185C70G224MA01#	p224
			0.47µF	±20%	LLA185C70G474MA01#	p224
			2.2µF	±20%	LLA185C70G225ME16#	p226

2.0×1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	25Vdc	X7R	10000pF	±20%	LLA215R71E103MA14#	p224
			22000pF	±20%	LLA215R71E223MA14#	p224
	16Vdc	X7R	47000pF	±20%	LLA215R71C473MA14#	p224
			0.10µF	±20%	LLA215R71C104MA14#	p224
	10Vdc	X7R	0.22µF	±20%	LLA215R71A224MA14#	p224
	6.3Vdc	X7R	0.47µF	±20%	LLA215R70J474MA14#	p224
	4Vdc	X7S	1.0µF	±20%	LLA215C70G105MA14#	p224
			4.7µF	±20%	LLA215C70G475ME19#	p226
0.95mm	25Vdc	X7R	10000pF	±20%	LLA219R71E103MA01#	p224
			22000pF	±20%	LLA219R71E223MA01#	p224
			47000pF	±20%	LLA219R71E473MA01#	p224
	16Vdc	X7R	0.10µF	±20%	LLA219R71C104MA01#	p224
			0.22µF	±20%	LLA219R71C224MA01#	p224
	10Vdc	X7R	0.47µF	±20%	LLA219R71A474MA01#	p224
	6.3Vdc	X7R	1.0µF	±20%	LLA219R70J105MA01#	p224
	4Vdc	X7S	2.2µF	±20%	LLA219C70G225MA01#	p224

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LLA Series Specifications and Test Methods (1)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Rated Voltage	e	Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, V ^{p.p} or V ^{o.p} , whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Voltage Proof	,	No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Resistance (I.R.)		C ≦ 0.047μF:More than 10000MΩ C > 0.047μF:More than 500Ω • F C: Nominal Capacitance	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
7			W.V.:25Vdc min.: 0.025max. W.V.:16/10Vdc: 0.035max. W.V.:6.3Vdc max.: 0.05max.	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$
				For item LLA185/215 C7 OG 473, the capacitance should be measured using a voltage of 0.5±0.2Vrms. The capacitance change should be measured after 5 minutes at each specified temp. stage.
8	Temperature Characteristics of Capacitance	No Bias	R7: Within ±15% (-55 to +125°C) R6: Within ±15% (-55 to +85°C) C7: Within ±22% (-55 to +125°C)	Capacitance value as a reference is the value in step 3. Step Temperature (°C) Applying Voltage(VDC) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2
				• Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.
9	Adhesive Stre	0	No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate (glass epoxy board). Applied Force: 5N Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).
		Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min)
10	Vibration	D.F.	Within the specified initial value.	Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
11	Solderability		75% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).
		Capacitance Change Within ±7.5%		Perform the 5 cycles according to the four heat treatments shown in the following table.
	Temperatura	D.F.	Within the specified initial value.	Step Temp. (°C) Time (min) 1 Min. Operating Temp. +0/-3 30±3
12	Temperature Sudden	I.R.	Within the specified initial value.	2 Room Temp. 2 to 3
	Change	Voltage Proof	No defects.	3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time: 24±2h Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.

Continued on the following page. 🖊

LLA Series Specifications and Test Methods (1)

Continued from the preceding page. \searrow

N) Ite	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).		
13	High Temperature High	Capacitance Change	Within ±12.5%	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH Test Time: 500±12h		
	Humidity (Steady)	D.F.	W.V.: 10Vdc min.: 0.05max. W.V.: 6.3Vdc max.: 0.075max.	Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max.		
		I.R.	More than $500M\Omega$ or $25\Omega \cdot F$ (Whichever is smaller)	Exposure Time: 24±2h		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).		
		Capacitance Change	Within ±12.5%	Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000±12h Applied Voltage: 200% of the rated voltage		
W.V.:10Vdc min.: 0.05max. Charge/discha	Charge/discharge current: 50mA max. Exposure Time: 24±2h					
		I.R.	More than $1000 \text{M}\Omega$ or $50 \Omega \cdot \text{F}$ (Whichever is smaller)	Initial measurement Apply 200% of the rated DC voltage at the max. operating temp. ±3°C for 1h. Remove and set for 24±2h at room temperature. Perform initial measurement.		

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LLA Series Specifications and Test Methods (2)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Rated Voltage	3	Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, VP-P or VO-P, whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Res	istance (I.R.)	More than $2000 M\Omega$ or 50Ω • F (Whichever is smaller)	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 1min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
7	Dissipation Fa	ctor (D.F.)	0.120max.	$\begin{tabular}{c c c} Capacitance & Frequency & Voltage \\ \hline $C \le 10 \mu F$ & $1.0 \pm 0.1 k Hz$ & $1.0 \pm 0.2 V rms \\ \hline $(10V min.)$ & $C \le 10 \mu F$ & $0.5 \pm 0.1 V rms \\ \hline $(6.3V max.)$ & $0.5 \pm 0.1 V rms \\ \hline \end{tabular}$
				C > 10μF 120±24Hz 0.5±0.1Vrms
8	Temperature Characteristics of Capacitance	No Bias	C7: Within ±22% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) Applying Voltage(VDC) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 - Initial measurement
				Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.
9	Adhesive Stre	_	No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate (glass epoxy board). Applied Force: 5N Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).
		Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min)
10	Vibration	D.F.	Within the specified initial value.	Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
11	Solderability		75% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).
		Capacitance Change	Within ±12.5%	Perform the 5 cycles according to the four heat treatments shown in the following table.
		D.F.	Within the specified initial value.	Step Temp. (°C) Time (min) 1 Min. Operating Temp. +0/-3 30±3
12	Temperature Sudden	I.R.	Within the specified initial value.	2 Room Temp. 2 to 3
12	Change			3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3
		Voltage Proof	No defects.	EExposure Time: 24±2h Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.

LLA Series Specifications and Test Methods (2)

Continued from the preceding page. \searrow

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).
		Capacitance Change	Within ±12.5%	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH Test Time: 500±12h
	High Temperature	D.F.	0.2 max.	Applied Voltage: DC Rated Voltage
13		I.R.	More than $500 \text{M}\Omega$ or 12.5Ω • F (Whichever is smaller)	Charge/discharge current: 50mA max. Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure. Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).
		•	Within ±12.5%	Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000±12h Applied Voltage: 150% of the rated voltage
14		0.2 max.	Charge/discharge current: 50mA max. • Initial measurement	
		I.R.	More than $1000 \text{M}\Omega$ or $25 \Omega \cdot \text{F}$ (Whichever is smaller)	Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure. • Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.

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10 Terminals Low ESL Chip Multilayer Ceramic Capacitors for General Purpose

LLM Series





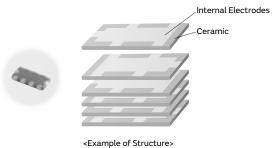


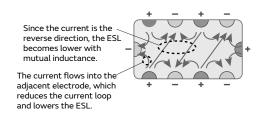
10-Terminal Type Low ESL Capacitor Ideal for Power Supply Decoupling of High-speed Operation IC

Features

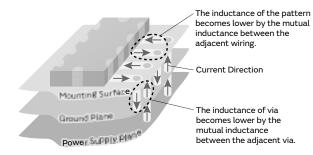
This is the lowest ESL LW reversed type capacitor.

Since the equivalent series inductance (ESL) of this product is even lower than the LLA series (8-terminal product) with excellent high frequency characteristics, this capacitor is ideal for power supply decoupling of high-speed operation IC.





<Effectiveness of Cancelling Out Inductance by Mutual Inductance>



<Effectiveness of Suppressing Inductance when Mounting a Multi-terminal Capacitor>

The inductance for the boards also becomes lower, not only the capacitor.

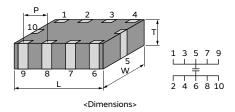
A maximum operating temperature up to 125°C

This product is applicable to high temperatures (X7* characteristics); however, Murata also offers numerous thin type products, which are ideal as decoupling capacitors on IC package.

Specifications

Size (mm)	2.0×1.25mm
Rated Voltage	4Vdc to 25Vdc
Capacitance	0.22μF to 1.0μF
Main Applications	Application processor/CPU/GPU

This catalog contains only a portion of the product lineup. Please refer to the capacitor search tool on the Murata Web site for details.



LLM Series High Dielectric Constant Type 🛐 Part Number List

2.0×1.25mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
0.55mm	6.3Vdc	X7R	0.22µF	±20%	LLM215R70J224MA11#	p230
			0.47µF	±20%	LLM215R70J474MA11#	p230
	4Vdc	X7S	1.0µF	±20%	LLM215C70G105MA11#	p230

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LLM Series Specifications and Test Methods (1)

No	Ite	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)							
1	Rated Voltage	ē	Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, V ^{p-p} or V ^{o-p} , whichever is larger, should be maintained within the rated voltage range.							
2	Appearance		No defects or abnormalities.	Visual inspection.							
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.							
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.							
5	Insulation Res	sistance (I.R.)	C ≦ 0.047μF: More than 10000MΩ C > 0.047μF: More than 500Ω • F C: Nominal Capacitance	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature							
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature							
7	·		W.V.:25Vdc min.: 0.025max. W.V.:16/10Vdc: 0.035max.	Capacitance Frequency Voltage C ≤ 10μF 1.0±0.1kHz 1.0±0.2Vrms * * For item LLA185 C7 0G 274 to 474, the capacitance should be measured using a voltage of 0.5±0.1Vrms.							
			W.V.:6.3Vdc max.: 0.05max.	For item LLA185/215 C7 OG 473, the capacitance should be measured using a voltage of 0.5±0.2Vrms.							
		No Bias	No Bias	No Bias		The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3.					
8	Temperature Characteristics of Capacitance				No Bias	No Bias	No Bias	No Bias	No Bias	No Bias	No Bias
				• Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.							
9	Adhesive Stre of Terminatio	•	No removal of the terminations or other defect should occur.	Solder the capacitor on the test substrate (glass epoxy board). Applied Force: 5N Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side.							
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).							
		Capacitance	Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min)							
10	Vibration	D.F.	Within the specified initial value.	Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).							
11	Solderability		75% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s							
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).							
		Capacitance Change	Within ±7.5%	Perform the 5 cycles according to the four heat treatments shown in the following table.							
	Tomporation	D.F.	Within the specified initial value.	Step Temp. (°C) Time (min) 1 Min. Operating Temp. +0/-3 30±3							
12	Temperature Sudden	I.R.	Within the specified initial value.	2 Room Temp. 2 to 3							
	Change	Voltage Proof	No defects.	3 Max. Operating Temp. +3/-0 30±3							

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LLM Series Specifications and Test Methods (1)

Continued from the preceding page. \searrow

N) Ite	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).		
13	High Temperature High	Capacitance Change	Within ±12.5%	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH Test Time: 500±12h		
	Humidity (Steady)	D.F.	W.V.: 10Vdc min.: 0.05max. W.V.: 6.3Vdc max.: 0.075max.	Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max.		
		I.R.	More than $500M\Omega$ or $25\Omega \cdot F$ (Whichever is smaller)	Exposure Time: 24±2h		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).		
		Capacitance Change	Within ±12.5%	Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000±12h Applied Voltage: 200% of the rated voltage		
W.V.:10Vdc min.: 0.05max.	Charge/discharge current: 50mA max. Exposure Time: 24±2h					
		I.R.	More than $1000 \mathrm{M}\Omega$ or $50 \Omega \cdot \mathrm{F}$ (Whichever is smaller)	Initial measurement Apply 200% of the rated DC voltage at the max. operating temp. ±3°C for 1h. Remove and set for 24±2h at room temperature. Perform initial measurement.		

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LW Reversed Controlled ESR Low ESL Chip Multilayer Ceramic Capacitors for General Purpose

LLR Series





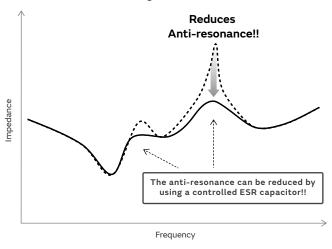


ESR Controlled Type Low ESL Capacitors Equipped with Anti-resonance Control **Function**

Features

Reduces Anti-resonance

This capacitor is controlled so that the equivalent series resistance (ESR) becomes slightly higher, and is effective in reducing the anti-resonance that occurs when capacitor arrays are used.



Lineup of capacitors with ESR values from 100-1,000 m Ω .

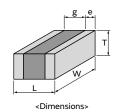
According to the conditions of the anti-resonance, the most suitable ESR value can be selected from 4 types.

(3) Low ESL

This ESR controlled type capacitor has excellent high frequency characteristics, with low equivalent series inductance (ESL). This is also ideal as a decoupling component.

Specifications

Size (mm)	0.8×1.6mm
Rated Voltage	4Vdc
Capacitance	1.0µF
Main Applications	Network processor/ASIC/PMIC



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

LLR Series High Dielectric Constant Type 📓 Part Number List

0.8×1.6mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
0.55mm	4Vdc	X7S	1.0µF	±20%	LLR185C70G105ME01#	p234
				±20%	LLR185C70G105ME03#	p234
				±20%	LLR185C70G105ME05#	p234
				±20%	LLR185C70G105ME07#	p234

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LLR Series Specifications and Test Methods (1)

No	It	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, VP-P or VO-P, whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Voltage Proo	f	No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Re	sistance (I.R.)	More than $2000 \text{M}\Omega$ or 50Ω • F (Whichever is smaller)	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 1min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
7	Dissipation F	actor (D.F.)	0.120 max.	$\begin{tabular}{c cccc} C apacitance & Frequency & Voltage \\ C \le $10\mu F$ & $1.0\pm0.1 kHz$ & $1.0\pm0.2 Vrms \\ \hline $(10V$ min.) & C \le $10\mu F$ & $0.5\pm0.1 Vrms \\ \hline $(6.3V$ max.) & $0.5\pm0.1 Vrms \\ \hline \end{tabular}$
8	Temperature Characteristics of Capacitance	No Bias	C7: Within ±22% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) Applying Voltage(VDC) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 • Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.
9	Adhesive Strength of Termination		No removal of the terminations or other defect should occur. Land Dimensions Chip Capacitor Land Solder Resist Fig.1	Solder the capacitor on the test substrate (glass epoxy board). Applied Force: 5N Holding Time: 10±1s Applied Direction: In parallel with the test substrate and vertical with the capacitor side. Part Number a b c LLR18 0.3 1.2 2.0
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).
		Capacitance	Within the specified initial value.	(Refer to No.9)
10	Vibration D.F.		Within the specified initial value.	Kind of Vibration: A simple harmonic motion 10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
11	.1 Solderability		75% of the terminations is to be soldered evenly and continuously.	Test Method: Solder bath method Flux: Solution of rosin ethanol 25 (mass)% Preheat: 80 to 120°C for 10 to 30s Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 245±5°C Immersion time: 2±0.5s
		Appearance	No defects or abnormalities.	Test Method: Solder bath Method
	Resistance	Capacitance Change	Within ±7.5%	Solder: Sn-3.0Ag-0.5Cu Solder Temp.: 270±5°C Immersion time: 10±0.5s
12	to Soldering	D.F.	Within the specified initial value.	Exposure Time: 24±2h
	Heat	I.R.	Within the specified initial value.	Preheat: 120 to 150°C for 1min Initial measurement
		Voltage Proof	No defects.	Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.
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LLR Series Specifications and Test Methods (1)

Continued from the preceding page.

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
		Appearance Capacitance Change	No defects or abnormalities. Within ±12.5%	Solder the capacitor on the test substrate (glass epoxy board). (Refer to No.9) Perform the 5 cycles according to the four heat treatments		
		D.F.	Within the specified initial value.	shown in the following table. Step Temp. (°C) Time (min)		
	Temperature	I.R.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3		
13	Sudden Change	Voltage Proof	No defects.	2 Room Temp. 2 to 3 3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3 Exposure Time:24±2h Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then lesit for 24±2h at room temperature, then measure.		
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board).		
		Capacitance Change	Within ±12.5%	(Refer to No.9) Test Temperature: 40±2°C Test Humidity: 90 to 95%RH		
	High	D.F.	0.2 max.	Test Time: 500±12h Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max. Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then lesit for 24±2h at room temperature, then measure. Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then lesit for 24±2h at room temperature, then measure.		
14	Temperature High Humidity (Steady)	I.R.	More than $500 \text{M}\Omega$ or 12.5Ω • F (Whichever is smaller)			
		Appearance	No defects or abnormalities.	Solder the capacitor on the test substrate (glass epoxy board) (Refer to No.9) Test Temperature: Max. Operating Temp. ±3°C Test Time: 1000±12h Applied Voltage: 150% of the rated voltage		
		Capacitance Change	Within ±12.5%			
		D.F.	0.2 max.			
15	Durability	I.R.	More than $1000 \text{M}\Omega$ or 25Ω • F (Whichever is smaller)	Charge/discharge current: 50mA max. Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure. Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then sit for 24±2h at room temperature, then measure.		
۱6	5 ESR		Murata's Specification Control Code 100mΩ±30% E01 220mΩ±30% E03 220mΩ±30% E05 470mΩ±30% E07 1000mΩ±30%	Measurement Frequency: 10±0.1MHz Measurement Temperature: Room Temperature Measurement Equivalent: HP4294A		

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3 Terminals Low ESL Chip Multilayer Ceramic Capacitors for General Purpose

NFM Series







This is the most suitable Low ESL capacitors for noise measurement and power decoupling of highspeed electrical devices.

Features

(1) Low ESL

Since the equivalent series inductance (ESL) is low and excellent in high frequency characteristics, this capacitor is suitable for power supply decoupling of high-speed operation electronic equipment.

2-terminal Capacitor

Realizes Ultra low ESL by using a extremely shorter high frequency current path





- \times long current distance
- X Narrow wiring width

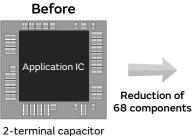
• 3-terminal capacitor

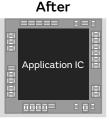


- O Short current distance
- $\bigcirc \ \ \text{Wide wiring width}$
- O Four routes formed in parallel

Contributes to a reduction in the number of components.

The number of components can be reduced by using low ESL capacitors, while maintaining functions equivalent to 2-terminal capacitor.





3-terminal capacitor 32pcs

Contributes to noise suppression

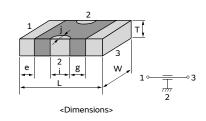
100pcs

Example of noise suppression effect



Specifications

Size (mm)	1.0×0.5mm to 4.5×1.6mm
Rated Voltage	2.5Vdc to 100Vdc
Capacitance	100pF to 27μF
Main Applications	For decoupling and smoothing circuits, For noise suppression



GA2

GA3 GD

GA3 GF

NFM Series M Part Number List

1.0×0.5mm

T max.	Rated Voltage	Cap.	Tol.	Part Number
0.35mm	6.3Vdc	0.47µF	±20%	NFM15PC474R0J3#
	4Vdc	0.47µF	±20%	NFM15PC474D0G3#
		1.0µF	±20%	NFM15PC105R0G3#
0.5mm	16Vdc	2200pF	±20%	NFM15CC222D1C3#
		22000pF	±20%	NFM15CC223C1C3#
		47000pF	±20%	NFM15PC473C1C3#
	10Vdc	2200pF	±20%	NFM15CC222D1A3#
		22000pF	±20%	NFM15CC223C1A3#
		47000pF	±20%	NFM15PC473C1A3#
		0.10µF	±20%	NFM15PC104R1A3#
		0.22µF	±20%	NFM15PC224R1A3#
	6.3Vdc	0.10µF	±20%	NFM15PC104D0J3#
		0.22µF	±20%	NFM15PC224D0J3#
	2.5Vdc	4.3µF	±20%	NFM15PC435R0E3#
0.65mm	2.5Vdc	7.5µF	±20%	NFM15PC755R0E3#
0.7mm	2.5Vdc	9.1µF	±20%	NFM15PC915R0E3#

1.6×0.8mm

T max.	Rated Voltage	Cap.	Tol.	Part Number	
0.7mm	16Vdc	100pF	±20%	NFM18CC101R1C3#	
		220pF	±20%	NFM18CC221R1C3#	
		470pF	±20%	NFM18CC471R1C3#	
		1000pF	±20%	NFM18CC102R1C3#	
		2200pF	±20%	NFM18CC222R1C3#	
		22000pF	±20%	NFM18CC223R1C3#	
		0.10µF	±20%	NFM18PC104R1C3#	
	6.3Vdc	0.22µF	±20%	NFM18PC224R0J3#	
		0.47µF	±20%	NFM18PC474R0J3#	
			±20%	NFM18PS474R0J3#	
		1.0µF	±20%	NFM18PS105D0J3#	
			±20%	NFM18PS105R0J3#	
		2.2µF	±20%	NFM18PC225B0J3#	
0.9mm	10Vdc	2.2µF	±20%	NFM18PC225B1A3#	
	6.3Vdc	1.0µF	±20%	NFM18PC105R0J3#	

2.0×1.25mm

T max.	Rated Voltage	Cap.	Tol.	Part Number	
0.95mm	50Vdc	220pF	±20%	NFM21CC221R1H3#	
		470pF	±20%	NFM21CC471R1H3#	
		1000pF	±20%	NFM21CC102R1H3#	
		2200pF	±20%	NFM21CC222R1H3#	
		22000pF	±20%	NFM21CC223R1H3#	
	25Vdc	0.10µF	±20%	NFM21PC104R1E3#	
	16Vdc	0.22µF	±20%	NFM21PC224R1C3#	
		0.47µF	±20%	NFM21PC474R1C3#	
		1.0µF	±20%	NFM21PC105B1C3#	
	10Vdc	1.0µF	±20%	NFM21PC105B1A3#	
		4.7µF	±20%	NFM21PC475B1A3#	

T max.	Rated Voltage	Cap.	Tol.	Part Number	
0.95mm	6.3Vdc	2.2µF	±20%	NFM21PC225B0J3#	
		10µF	±20%	NFM21PS106B0J3#	

3.2×1.25mm

T max.	Rated Voltage	Сар.	Tol.	Part Number	
0.9mm	50Vdc	220pF	+50/-20%	NFM3DCC221R1H3#	
		470pF	+50/-20%	NFM3DCC471R1H3#	
		1000pF	+50/-20%	NFM3DCC102R1H3#	
		2200pF	+50/-20%	NFM3DCC222R1H3#	
		22000pF	+50/-20%	NFM3DCC223R1H3#	
			±20%	NFM3DPC223R1H3#	D3

3.2×1.6mm

T max.	Rated Voltage	Cap.	Tol.	Part Number	
1.5mm	100Vdc	10000pF	±20%	NFM31KC103R2A3#	D3
		15000pF	±20%	NFM31KC153R2A3#	
		22000pF	±20%	NFM31KC223R2A3#	
		0.10µF	±20%	NFM31KC104R2A3#	
	50Vdc	10000pF	±20%	NFM31KC103R1H3#	D3
		15000pF	±20%	NFM31KC153R1H3#	D3
		22000pF	±20%	NFM31KC223R1H3#	D3
		0.10µF	±20%	NFM31KC104R1H3#	
	6.3Vdc	27μF	±20%	NFM31PC276B0J3#	

4.5×1.6mm

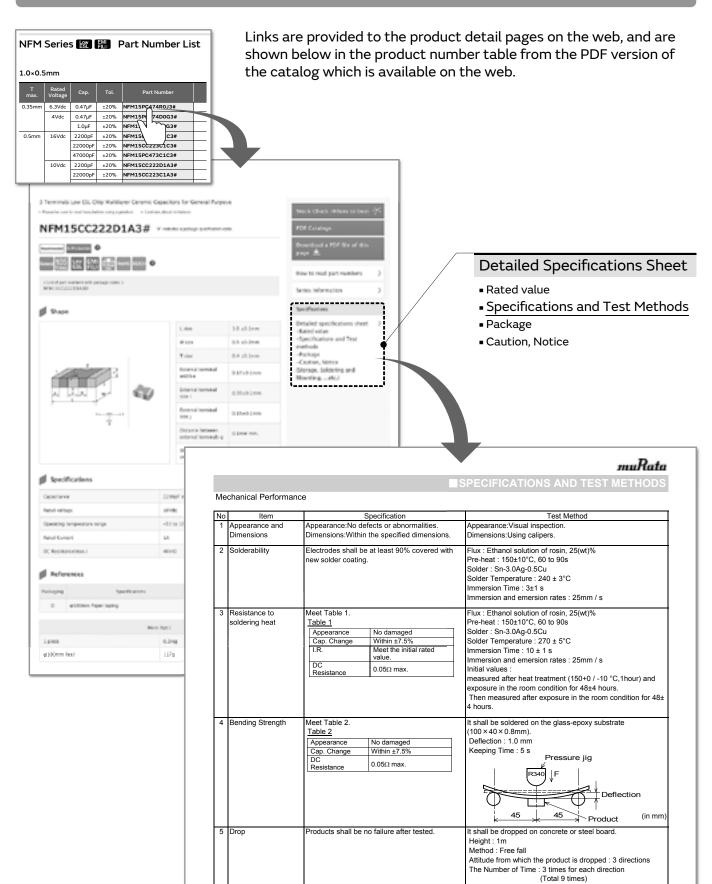
T max.	Rated Voltage	Cap.	Tol.	Part Number	
1.2mm	100Vdc	470pF	+50/-20%	NFM41CC471R2A3#	
		1000pF	+50/-20%	NFM41CC102R2A3#	
		2200pF	+50/-20%	NFM41CC222R2A3#	
		22000pF	+50/-20%	NFM41CC223R2A3#	
	50Vdc	1.5µF	±20%	NFM41PC155B1H3#	
	25Vdc	1.5µF	±20%	NFM41PC155B1E3#	

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NFM Series Specifications and Test Methods

Specifications and Test Methods, please refer to the search web page. https://www.murata.com/en-global/products/capacitor



KRM Series







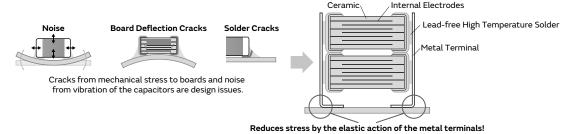


Bonding the metal terminals to external electrodes solves design issues by mounting large size MLCC!

Features

Bond metal terminals to the external electrodes of chips.

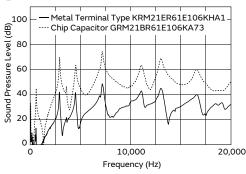
The stress applied to the chip is relieved by the elastic action of the metal terminal.



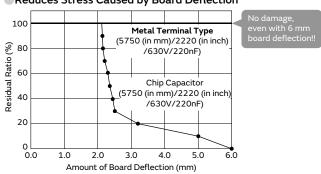
2 Substantially reduces noise, board deflection cracks and soldering cracks.

This product is not damaged even with a board deflection of 6 mm. Solder cracks do not occur even with 2,000 cycles of heat stress.

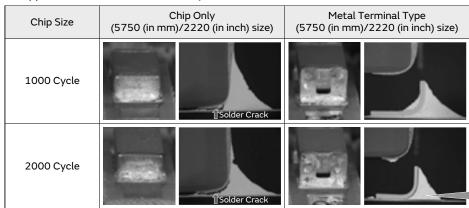
Acoustic Noise is Reduced with Metal Terminals







Suppresses Solder Cracks Caused by Heat Stress



Test Condition: -55 to +125°C, 5min.,(Liquid Phase) Board Used: Glass Epoxy Board (FR-4)

Demonstrates replacement value of low noise capacitors Experience the effectiveness of the KRM Series.

Examples of Noise Countermeasures



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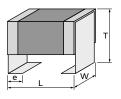
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2 chips can be stacked. 3

Realize large capacity by stacking 2 capacitors.

Specifications

Size (mm)	2.2×1.25mm to 6.1×5.3mm
Rated Voltage	16Vdc to 1000Vdc
Capacitance	68000pF to 100μF
Main Applications	For smoothing and noise suppression of DC-DC converters



<Dimensions>

This catalog contains only a portion of the product lineup. Please refer to the capacitor search tool on the Murata Web site for details.

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KRM Series High Dielectric Constant Type Anti-





2.2×1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.9mm	25Vdc	X5R	10µF	±10%	KRM21ER61E106KFA1#	
	16Vdc	X5R	10µF	±10%	KRM21ER61C106KFA1#	
2.0mm	25Vdc	X7S	10µF	±10%	KRM21FC71E106KFA1#	D1
		X6S	10µF	±10%	KRM21FC81E106KFA1#	D1
		X5R	22µF	±20%	KRM21FR61E226MFA1#	

Сар. ±10% X7R 3.9mm 35Vdc 22µF 25Vdc 22µF ±10% ±10% 33µF 47µF ±10%

3.5×1.7mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
2.0mm	25Vdc	X5R	10µF	±10%	KRM31FR61E106KH01#	
2.9mm	100Vdc	X7R	1.0µF	±10%	KRM31KR72A105KH01#	
	50Vdc	X7R	4.7µF	±10%	KRM31KR71H475KH01#	-
	35Vdc	X6S	10µF	±10%	KRM31KC8YA106KH01#	
	25Vdc	X6S	10μF	±10%	KRM31KC81E106KH01#	

Part Number KRM55QR7YA226KH01# KRM55QR71E226KH01# KRM55QR71E336KH01# KRM55QC71E476KH13# 5.0mm | 1000Vdc X7R $0.15 \mu F$ ±20% KRM55TR73A154MH01# 0.22µF ±20% KRM55TR73A224MH01# 630Vdc X7R 0.33µF ±20% KRM55TR72J334MH01# 0.47µF ±20% KRM55TR72J474MH01# 450Vdc 0.68µF ±20% KRM55TR72W684MH01# 1µF +20% KRM55TR72W105MH01# 250Vdc ±20% KRM55TR72E155MH01# 1.5µF KRM55TR72E225MH01# $2.2 \mu F$ ±20% 100Vdc X7R 10µF ±20% KRM55TR72A106MH01# 50Vdc X7R 22µF ±20% KRM55TR71H226MH01# 35Vdc X7R 22µF ±20% KRM55TR7YA226MH01# 33µF ±20% KRM55TR7YA336MH01# 25Vdc X7R 33uF ±20% KRM55TR71E336MH01# 6.7mm 100Vdc X7R 15µF ±20% KRM55WR72A156MH01# ±20% KRM55WR72A226MH01# 22µF 63Vdc 22µF ±20% KRM55WR71J226MH01# KRM55WR71H336MH01# 50Vdc X7R 33µF ±20% 35Vdc 47µF ±20% KRM55WR7YA476MH01# KRM55WR71E476MH01# ±20% 25Vdc X7R 47µF KRM55WR71E686MH01# 68µF ±20% X7S KRM55WC71E107MH13# 100µF ±20%

3.6×1.7mm

T max.	Rated Voltage		Cap.	Tol.	Part Number	
2.9mm	50Vdc	X7R	2.2µF	±10%	KRM31KR71H225KH01#	

3.7×1.85mm

T max.	Rated Voltage		Сар.	Tol.	Part Number	
2.9mm	100Vdc	X7R	2.2µF	±10%	KRM31KR72A225KH01#	

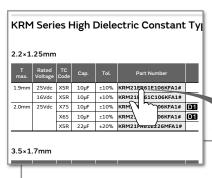
6.1×5.3mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
3.0mm	1000Vdc	X7R	68000pF	±10%	KRM55LR73A683KH01#
			0.10µF	±10%	KRM55LR73A104KH01#
	630Vdc	X7R	0.15µF	±10%	KRM55LR72J154KH01#
			0.22µF	±10%	KRM55LR72J224KH01#
	450Vdc	X7R	0.33µF	±10%	KRM55LR72W334KH01#
			0.47µF	±10%	KRM55LR72W474KH01#
	250Vdc	X7R	0.68µF	±10%	KRM55LR72E684KH01#
			1.0µF	±10%	KRM55LR72E105KH01#
	100Vdc	X7R	4.7µF	±10%	KRM55LR72A475KH01#
	63Vdc	X7R	4.7µF	±10%	KRM55LR71J475KH01#
	50Vdc	X7R	4.7µF	±10%	KRM55LR71H475KH01#
			10µF	±10%	KRM55LR71H106KH01#
	35Vdc	X7R	10µF	±10%	KRM55LR7YA106KH01#
			15µF	±10%	KRM55LR7YA156KH01#
	25Vdc	X7R	15µF	±10%	KRM55LR71E156KH01#
3.9mm	100Vdc	X7R	6.8µF	±10%	KRM55QR72A685KH01#
			10µF	±10%	KRM55QR72A106KH01#
	63Vdc	X7R	10µF	±10%	KRM55QR71J106KH01#
	50Vdc	X7R	17µF	±10%	KRM55QR71H176KH01#
	35Vdc	X7R	17µF	±10%	KRM55QR7YA176KH01#

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KRM Series Specifications and Test Methods

Specifications and Test Methods, please refer to the search web page. https://www.murata.com/en-global/products/capacitor



Links are provided to the product detail pages on the web, and are shown below in the product number table from the PDF version of the catalog which is available on the web.



4 Specifications and test methods

Detailed Specifications Sheet

- Rated value
- Specifications and Test Methods
- Package
- Caution, Notice

Reference only

Item	Specifications			Test method				
Operating temperature range	Char. X6S: -55 to +	105°C						
Appearance	No defects or abnor	No defects or abnormalities			nspection	on.		
Dimensions	Within the specified	dimens	sion.	Using o	alipers	and microme	ters.	
Dielectric strength	No defects or abnor	malities	S.	in the ta for 1 to	able is a 5 s, pro	pplied between wided the character to the property of the pro	en the trm	ination
				Rate	d Voltage	e Te	est Voltage	
						V, 250% of	the rated v	oltage
				D	C100V	200% of	the rated v	oltage
Insulation	5 / 11/ "	1						
resistance(I.R.)								
						ging.		
	DC50V , DC100V	500M	Ω·μF or more	<u>:</u>				
Capacitance	Within the specified	toleran	ce.	referen	ce temp	erature at the	e meaning	l
	Rated Voltage		DF	No	minal	Measuring	Measu	ring
Factor (D.F.)		0		capa	citance	frequency	volga	te
	DC50V			c>	10 μ F	120±24Hz		
	DC100V	0	.05 max.	1		-	, -	,
				C≦	10 μ F	1±0.2kHz		
Capacitance Temperature Characteristics	Char. X5R: within ±15% (Temp.Range:-55 to +85°C) Char. X6S: within ±22% (Temp.Range:-55 to +105°C) Char. X7R: within ±15% (Temp.Range:-55 to +125°C)			made a Pretrea Perforn for 60±	t each s atment of the he of min ar	step specified at treatment and then let sit	l in the tab at 150+0/-	ole. ·10°C
	Step	1	2		3	4		5
	Temp.(°C)	25±2	Min. Operating	Temp.	25±2	Max. Operati	ng Temp. +2	25±2
	Operating temperature range Appearance Dimensions Dielectric strength Insulation resistance(I.R.) Capacitance Dissipation Factor (D.F.)	Operating temperature range Char. X5R: -55 to + Char. X6S: -55 to + Char. X6S: -55 to + Char. X7R: -55 to + Char. X7R: -55 to + No defects or abnor Dimensions Appearance Dimensions No defects or abnor Within the specified Dielectric strength No defects or abnor Insulation resistance(I.R.) Rated Voltage DC25V, DC35V DC50V, DC100V Capacitance Within the specified Dissipation Factor (D.F.) Rated Voltage DC25V, DC35V DC50V DC100V Capacitance Characteristics Char. X5R: within ± (Temp.Range: -55 Char. X6S: within ± (Temp.Range: -55 Char. X7R: within ± (Temp.Range: -55 Char. X7R	Operating temperature range Char. X5R : -55 to +85°C Char. X6S : -55 to +105°C Char. X7R : -55 to +125°C Char. X6S : ot -105°C Char. X	Operating temperature range Char. X5R : -55 to +85°C char. X6S : -55 to +105°C char. X7R : -55 to +105°C char. X7R : -55 to +105°C char. X7R : -55 to +125°C Appearance No defects or abnormalities Dimensions Within the specified dimension. Dielectric strength No defects or abnormalities. Insulation resistance(I.R.) Rated Voltage D.R. DC25V, DC35V DC35	Operating temperature range Char. X5R: -55 to +85°C Char. X5R: -55 to +105°C Char. X7R: -55 to +105°C Char. X7R: -55 to +105°C Visual in the specified dimension. Visual in the specified dimension. Visual in the specified dimension. No failt. In the specified dimension. The instruction dimension. The instru	Operating temperature range Char. X5R : -55 to +85°C Char. X6S : -55 to +105°C Char. X7R : -55 to +105°C Appearance No defects or abnormalities Visual inspectic Visual Visual inspectic Visual	Operating temperature range Char. X5R : -55 to +105°C Char. X6S : -55 to +105°C Char. X7R : -55 to +105°C Char. X7R : -55 to +105°C Char. X7R : -55 to +125°C Visual inspection. Appearance No defects or abnormalities Visual inspection. Dimensions Within the specified dimension. Using calipers and microme with the specified dimension. Dielectric strength No defects or abnormalities. No defects or abnormalities. Poc300	Operating temperature range Char. X5R: -55 to +105°C Char. X6S: -55 to +105°C Char. X7R: -55 to +125°C Visual inspection. Appearance No defects or abnormalities Visual inspection. Dimensions Within the specified dimension. No failure should be observed when v in the table is applied between the trm for 1 to 5, provided the charge/disch current is less than 50mA. Rated Voltage DC25V, DC35V, DC35V, DC35V, DC50V 250% of the rated v DC50V DC25V, DC35V, DC35V, DC35V, DC35V, DC50V 250% of the rated v DC50V DC30V, DC100V 500MΩ·μF or more DC30V, DC100V D.F. DC30V, DC100V D.F. DC30V, DC35V, DC35V D.15 max. DC30V, DC35V, DC35V D.15 max. DC50V DC35V, DC35V D.35 max. DC100V 0.05 max. DC30V, DC30V D.30 max. DC3V, DC3V DC3V

High Effective Capacitance & High Allowable Ripple Current Metal Terminal Type Multilayer Ceramic Capacitors for General Purpose

KR3 Series







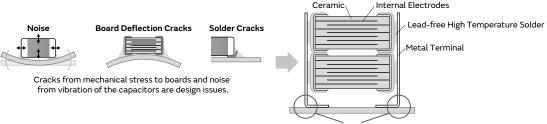


Bonding the metal terminals to external electrodes solves design issues by mounting large size MLCC!

Features

1 Bond Metal Terminals to External Electrodes of Chips

This product has high resistance to heat and mechanical impact and greatly reduces acoustic noise of boards by ceramics.

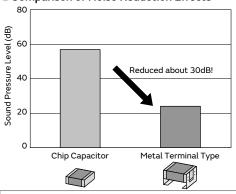


Reduces stress by the elastic action of the metal terminals!

2 Stacking of Chips

Achieve high capacity by stacking 2 capacitors.

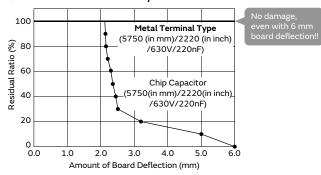
Comparison of Noise Reduction Effects



Evaluation Items: 5750 (in mm)/2220 (in inch) size/DC630V/220nF Test Method: DC50V, AC10Vp-p/3kHz Test Board: Glass Epoxy Board (T=1.6mm) Test Quantity: 3pc Distance Between Microphone and Board: 3mm

Note: Results Using Murata's Evaluation Board

Reduces Stress Caused by Board Deflection



Suppresses Solder Cracks Caused by Heat Stress

Chip Size	Chip Only (5750 (in mm)/2220 (in inch) size)	Metal Terminal Type (5750 (in mm)/2220 (in inch) size)
1000 Cycle	ĵ∫Solder Crack	
2000 Cycle	ÎSolder Crack	

Test Condition: -55 to +125°C, 5min., (Liquid Phase) Board Used: Glass Epoxy Board (FR-4) nis product is excellent solder cracking resistance.

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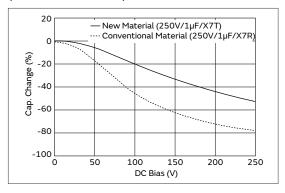
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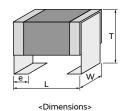
3 Adopted Low Dielectric Constant Materials

Improved effective capacity and ripple resistant performance, compared to conventional products (X7R characteristics).



Specifications

Size (mm)	6.1×5.3mm
Rated Voltage	250Vdc to 630Vdc
Capacitance	0.10μF to 2.2μF
Main Applications	For DC-DC converters of general electronic equipment



This catalog contains only a portion of the product lineup. Please refer to the capacitor search tool on the Murata Web site for details.

KR3 Series High Dielectric Constant Type Anti-





6.1×5.3mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
3.0mm	630Vdc	X7T	0.10µF	±10%	KR355LD72J104KH01#	p246
			0.15µF	±10%	KR355LD72J154KH01#	p246
	450Vdc	X7T	0.22µF	±10%	KR355LD72W224KH01#	p246
			0.33µF	±10%	KR355LD72W334KH01#	p246
			0.47µF	±10%	KR355LD72W474KH01#	p246
	250Vdc	X7T	0.47µF	±10%	KR355LD72E474KH01#	p246
			0.68µF	±10%	KR355LD72E684KH01#	p246
3.9mm	630Vdc	X7T	0.22µF	±10%	KR355QD72J224KH01#	p246
			0.27µF	±10%	KR355QD72J274KH01#	p246
	450Vdc	X7T	0.56µF	±10%	KR355QD72W564KH01#	p246
	250Vdc	X7T	1.0µF	±10%	KR355QD72E105KH01#	p246
5.0mm	450Vdc	X7T	0.68µF	±20%	KR355TD72W684MH01#	p246
			1.0µF	±20%	KR355TD72W105MH01#	p246
	250Vdc	X7T	1.5µF	±20%	KR355TD72E155MH01#	p246
6.7mm	630Vdc	X7T	0.47µF	±20%	KR355WD72J474MH01#	p246
			0.56µF	±20%	KR355WD72J564MH01#	p246
	450Vdc	X7T	1.2µF	±20%	KR355WD72W125MH01#	p246
	250Vdc	X7T	2.2µF	±20%	KR355WD72E225MH01#	p246

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KR3 Series Specifications and Test Methods (1)

No	lto	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Operating Te		-55 to +125°C	
2	Appearance	<u> </u>	No defects or abnormalities	Visual inspection.
3	Dimension		Within the specified dimension.	Using calipers and micrometers.
4	Dielectric Strength		No defects or abnormalities.	No failure should be observed when voltage in the table is applied between the terminations for 1 to 5s, provided the charge/discharge current is less than 50mA. Rated Voltage Test Voltage DC250V 200% of the rated voltage DC450V 150% of the rated voltage DC630V 120% of the rated voltage
5	Insulation Res	sistance (I.R.)	More than 10000MΩ or 100MΩ • μF (Whichever is smaller)	The insulation resistance should be measured with DC500±50V (DC250±25V in case of rated voltage: DC250V, DC450V) andwithin 60±5s of charging.
6	Capacitance		Within the specified tolerance.	Capacitance should be measured at the frequency of 1 ± 0.2 kHz and a voltage of AC1.0 ±0.2 V (r.m.s.).
7	Dissipation Fa	actor (D.F.)	0.01 max.	D.F. should be measured at the frequency of 1±0.2kHz and a voltage of AC1.0±0.2V (r.m.s.).
8	Capacitance Temperature Characteristics		Cap. change within +22/-33% (Temp.Range: -55 to +125°C)	The capacitance measurement should be made at each step specified in the table. • Pretreatment Perform the heat treatment at 150+0/-10°C for 60±5min and then let sit for 24±2h at room condition*. Step Temperature (°C) 1 25±2 2 Min. Operating Temp. ±3 3 25±2 4 Max. Operating Temp. ±3 5 25±2
	Appearance		No defects or abnormalities.	Solder the capacitor to the Test Jig A (glass epoxy board) shown
		Capacitance	Within the specified tolerance.	in "Complement of Test Method". The capacitor should be subjected to a simple harmonic motion
9	Vibration Resistance D.F.		Pass the item No.7.	having a total amplitude of 1.5mm, the frequency being varied uniformly between the approximate limits of 10 and 55Hz. The frequency range, from 10 to 55Hz and return to 10Hz, should be traversed in approximately 1min. This motion should be applied for a period of 2h in each of 3 mutually perpendicular directions (total of 6h).
10	Solderability of Termination		The metal surface is soldered well.	Reflow Soldering: Peak 260+0/-5°C The area of soldering 230°C min., 20 to 40s Let sit for 24±2h at room condition*, then measure. • Pretreatment Perform the heat treatment at 150+0/-10°C for 60±5min and then let sit for 24±2h at room condition*. 300°C- 200°C- 180°C- 180°C- 100°C-
		Appearance	No marking defects.	
	Resistance	Capacitance Change	Within ±10%	Reflow Soldering • See Item 10 Solderability of termination In a soldering iron case
11	to Soldering	D.F.	Pass the item No.7.	Temp. of solder: 350±10°C
	Soldering Heat I.R. Dielectric Strength		Pass the item No.5.	Solder time: 4+1/-0 s Let sit for 24±2h at room condition*, then measure.

 $^{{\}rm * Room\ Condition:\ Temperature:\ 15\ to\ 35°C,\ Relative\ humidity:\ 45\ to\ 75\%,\ Atmosphere\ pressure:\ 86\ to\ 106kPa}$

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KR3 Series Specifications and Test Methods (1)

Continued from the preceding page.

No	lte	em	Specification	Test Method (Ref. Standard:JIS C 5101, IEC60384)			
12	Adhesive Stre		No removal of the terminations or other defects should occur.	Solder the capacitor to the Test Jig A (glass epoxy board) shown in "Complement of Test Method". Then apply 10N force in the direction of the arrow. 10N, 10±1s Glass Epoxy Board			
13	Deflection		No marking defects.	Solder the capacitor to the Test Jig B (glass epoxy board) shown in "Complement of Test Method". Then apply the force in the direction shown in "Test Method of Deflection" of "Complement of Test Method". • Flexure: 5mm • Hold time: 5s			
14	.4 Strength of metal Terminal		Termination not to be broken or loosened.	A static load of 10N using a pressure jig should be applied to the center in the direction of the arrow and held for 10s Pressure Pressure Jig O.5L O.5L			
		Appearance	No marking defects.	Fix the capacitor to the supporting Test Jig A (glass epoxy			
		Capacitance Change	Within ±7.5%	board) shown in "Complement of Test Method". Perform the 100 cycles according to the 4 heat treatments listed the following table.			
	Temperature .	D.F.	Pass the item No.7.	Step Temp. (°C) Time (min)			
		I.R.	Pass the item No.5.	1 Min. Operating Temp. ±3 30±3			
15	Cycle	Dielectric Strength	Pass the item No.4.	2 Room Temp. 2 to 3 3 Max. Operating Temp. ±2 30±3 4 Room Temp. 2 to 3 Let sit for 24±2h at room condition*, then measure. • Pretreatment Perform the heat treatment at 150+0/-10°C for 60±5min and then let sit for 24±2h at room condition*.			
		Appearance	No marking defects.				
		Capacitance Change	Within ±12.5%	Sit the capacitor at 40±2°C and relative humidity 90 to 95% for 500+24/-0h.			
16	Humidity	D.F.	0.02 max.	Remove and let sit for 24±2h at room condition*, then measure.			
	(Steady State)	I.R.	More than 1000 M Ω or 10 M Ω • μF (Whichever is smaller)	Pretreatment Perform the heat treatment at 150+0/-10°C for 60±5min and then let sit for 24±2h at room condition*.			
		Dielectric Strength	Pass the item No.4.				
		Appearance	No marking defects.	Apply voltage as in the table for 1000+48/-0h at maximum			
		Capacitance Change	Within ±12.5%	operating temperature±3°C. Remove and let sit for 24±2h at room condition*, then measure.			
		D.F.	0.02 max.	Rated Voltage Applied Voltage DC250V 150% of the rated voltage			
17	Life	I.R.	More than 1000 M Ω or 10 M Ω • μF (Whichever is smaller)	DC450V 130% of the rated voltage DC630V 120% of the rated voltage			
		Dielectric Strength	Pass the item No.4.	The charge/discharge current is less than 50mA. • Pretreatment Apply test voltage for 60±5min at test temperature.			

 $^{{\}rm * Room\ Condition:\ Temperature:\ 15\ to\ 35°C,\ Relative\ humidity:\ 45\ to\ 75\%,\ Atmosphere\ pressure:\ 86\ to\ 106kPa}$

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KR3 Series Specifications and Test Methods (1)

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Complement of Test Method

Test Jig

The test jig should be Jig A or Jig B as described in "Specifications and Test Methods".

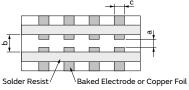
The specimen should be soldered by the conditions as described below.

Soldering Method: Reflow soldering

Thickness of Metal-mask: 200µm

Solder: Sn-3.0Ag-0.5Cu

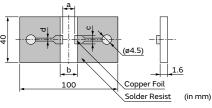
(1) Test Jig A



Dimension (mm)				
a	ь	С		
4.5	8.0	5.6		

- Material: Glass Epoxy Board
- Thickness: 1.6mm
- Thickness of copper foil: 0.035mm

(2) Test Jig B



Dimension (mm) 4.5 8.0 1.0

- Material: Glass Epoxy Board
- \bullet Thickness of copper foil: 0.035mm

GMA Series





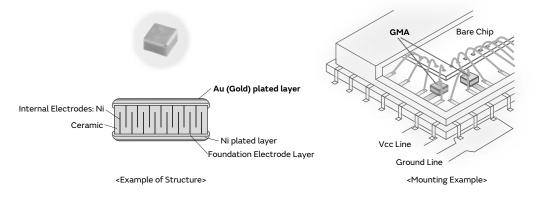


These capacitors have gold-plated electrodes and are designed specifically for wire bonding.

Features

1 Allows for high density mounting.

Noise can be reduced by eliminating the routing of the wire, and high efficiency can be achieved with a built-in capacitor in a package, such as IC. Miniaturization of the set is also possible.



Achieved small size and high capacitance with a multilayer structure.



Lineup comparison table with competitor's is provided in my Murata Capacitor Site (need to sign in & approval from the site)

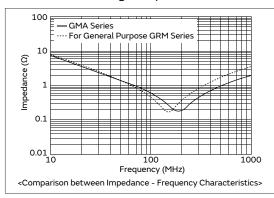
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3 Ideal for bypass applications

Especially for optical communication related devices such as TOSA/ROSA.

Excellent in high frequency characteristics.

Since the capacitor consists of an upper/lower electrode structure, the current path becomes shorter and lowers the ESL. Compared with the general purpose GRM series of the same capacity, the impedance of this product becomes lower at high frequencies.



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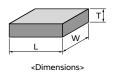
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Specifications

Size (mm)	0.38×0.38mm to 0.8×0.8mm
Rated Voltage	6.3Vdc to 100Vdc
Capacitance	100pF to 0.47μF
Main Applications	Optical communication related devices such as TOSA/ROSA. Various device related, such as GaAsIC (mounted in IC packages) Measuring instruments, other ultra compact/thin devices



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GMA Series High Dielectric Constant Type Part Number List

0.38×0.38mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.35mm	10Vdc	X7R	1000pF	±20%	GMA0D3R71A102MA01#	p254
			1500pF	±20%	GMA0D3R71A152MA01#	p254
			1800pF	±20%	GMA0D3R71A182MA01#	p254
			10000pF	±20%	GMA0D3R71A103MA01#	p254
		R	1000pF	±20%	GMA0D3R11A102MA01#	p254
			1500pF	±20%	GMA0D3R11A152MA01#	p254
			1800pF	±20%	GMA0D3R11A182MA01#	p254
			10000pF	±20%	GMA0D3R11A103MA01#	p254
		В	1000pF	±20%	GMA0D3B11A102MA01#	p254
			1500pF	±20%	GMA0D3B11A152MA01#	p254
			1800pF	±20%	GMA0D3B11A182MA01#	p254

0.5×0.5mm

0.3 - 0.311111						
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.4mm	100Vdc	X7R	100pF	±20%	GMA05XR72A101MA01#	p254
			150pF	±20%	GMA05XR72A151MA01#	p254
			220pF	±20%	GMA05XR72A221MA01#	p254
			330pF	±20%	GMA05XR72A331MA01#	p254
			470pF	±20%	GMA05XR72A471MA01#	p254
			680pF	±20%	GMA05XR72A681MA01#	p254
			1000pF	±20%	GMA05XR72A102MA01#	p254
	25Vdc	X7R	1500pF	±20%	GMA05XR71E152MA11#	p254
			2200pF	±20%	GMA05XR71E222MA11#	p254
			3300pF	±20%	GMA05XR71E332MA11#	p254
			4700pF	±20%	GMA05XR71E472MA11#	p254
		В	1500pF	±20%	GMA05XB31E152MA11#	p254
			2200pF	±20%	GMA05XB31E222MA11#	p254
			3300pF	±20%	GMA05XB31E332MA11#	p254
			4700pF	±20%	GMA05XB31E472MA11#	p254
	10Vdc	X7R	6800pF	±20%	GMA05XR71A682MA01#	p254
			10000pF	±20%	GMA05XR71A103MA01#	p254
			15000pF	±20%	GMA05XR71A153MA01#	p254
			22000pF	±20%	GMA05XR71A223MA01#	p254
		R	6800pF	±20%	GMA05XR11A682MA01#	p254
			10000pF	±20%	GMA05XR11A103MA01#	p254
			15000pF	±20%	GMA05XR11A153MA01#	p254
			22000pF	±20%	GMA05XR11A223MA01#	p254
		В	6800pF	±20%	GMA05XB11A682MA01#	p254
			10000pF	±20%	GMA05XB11A103MA01#	p254
			15000pF	±20%	GMA05XB11A153MA01#	p254
			22000pF	±20%	GMA05XB11A223MA01#	p254
	6.3Vdc	X5R	0.10µF	±20%	GMA05XR60J104ME12#	p252
		В	0.10µF	±20%	GMA05XB30J104ME12#	p252

0.8×0.8mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*
0.6mm	100Vdc	X7R	1500pF	±20%	GMA085R72A152MA01#	p254
			2200pF	±20%	GMA085R72A222MA01#	p254

*: Refers to the page of the "Specifications and Test Meth	ods".
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T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.6mm	100Vdc	X7R	3300pF	±20%	GMA085R72A332MA01#	p254
			4700pF	±20%	GMA085R72A472MA01#	p254
			6800pF	±20%	GMA085R72A682MA01#	p254
	25Vdc	X7R	10000pF	±20%	GMA085R71E103MA11#	p254
			15000pF	±20%	GMA085R71E153MA11#	p254
			22000pF	±20%	GMA085R71E223MA11#	p254
		В	10000pF	±20%	GMA085B31E103MA11#	p254
			15000pF	±20%	GMA085B31E153MA11#	p254
			22000pF	±20%	GMA085B31E223MA11#	p254
	10Vdc	X7R	33000pF	±20%	GMA085R71A333MA01#	p254
			47000pF	±20%	GMA085R71A473MA01#	p254
			68000pF	±20%	GMA085R71A683MA01#	p254
			0.10µF	±20%	GMA085R71A104MA01#	p254
		R	33000pF	±20%	GMA085R11A333MA01#	p254
			47000pF	±20%	GMA085R11A473MA01#	p254
			68000pF	±20%	GMA085R11A683MA01#	p254
			0.10µF	±20%	GMA085R11A104MA01#	p254
		В	33000pF	±20%	GMA085B11A333MA01#	p254
			47000pF	±20%	GMA085B11A473MA01#	p254
			68000pF	±20%	GMA085B11A683MA01#	p254
			0.10µF	±20%	GMA085B11A104MA01#	p254
	6.3Vdc	X5R	0.47µF	±20%	GMA085R60J474ME12#	p252
		В	0.47µF	±20%	GMA085B30J474ME12#	p252
		В	0.47µF	±20%	GMA085B30J474ME12#	p252



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GMA Series Specifications and Test Methods (1)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	1 Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, V ^{p.p} or V ^{o.p} , whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Res	istance (I.R.)	More than $2000 \text{M}\Omega$ or 50Ω • F (Whichever is smaller)	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 1min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
				Capacitance Frequency Voltage
7	Dissipation Fa	ctor (D.F.)	0.1 max.	C ≦ 10µF (6.3V max.) 1.0±0.1kHz 0.5±0.1Vrms
8	Temperature Characteristics of Capacitance	No Bias	B3: Within ±10% (-25 to +85°C) R6: Within ±15% (-55 to +85°C) C8: Within ±22% (-55 to +105°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) Applying Voltage (VDC) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 No bias 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 • Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.
9	Adhesive Strength of Termination	Bond Strength	Pull force: 0.03N min.	MIL-STD-883 Method 2011 Condition D Mount the capacitor on a gold metalized alumina substrate with Au-20Sn and bond a ø25µm (ø0.001 inch) gold wire to the capacitor terminal using an ultrasonic ball bond. Then, pull wire. MIL-STD-883 Method 2019
		Die Shear Strength	Die Shear force: 2N min.	Mount the capacitor on a gold metalized alumina substrate with Au-20Sn. Apply the force parallel to the substrate.
		Appearance	No defects or abnormalities.	Kind of Vibration: A simple harmonic motion
10	Vibration	Capacitance	Within the specified initial value.	10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm
	•	D.F.	Within the specified initial value.	This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
		Appearance	No defects or abnormalities.	Perform the five cycles according to the four heat treatments
		Capacitance Change	Within ±7.5%	shown in the following table. Step Temp. (°C) Time (min)
	Temperature	D.F.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3 2 Room Temp. 2 to 3
11	Sudden Change	I.R.	Within the specified initial value.	3 Max. Operating Temp. +3/-0 30±3
	Change *	Voltage Proof	No defects.	4 Room Temp. 2 to 3 Exposure Time: 24±2h Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.

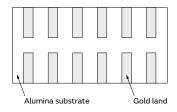
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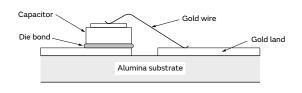
GMA Series Specifications and Test Methods (1)

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No	o Item		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)	
		Appearance	No defects or abnormalities.	Test Temperature: 40±2°C	
	High	Capacitance Change	Within ±12.5%	Test Humidity: 90 to 95%RH Test Time: 500±12h Applied Voltage: DC Rated Voltage	
	Temperature High	D.F.	0.2 max.	Charge/discharge current: 50mA max.	
12	Humidity (Steady) *	I.R.	More than $500 M\Omega$ or $12.5 \Omega \cdot F$ (Whichever is smaller)	 Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure. Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure. 	
		Appearance	No defects or abnormalities.	Test Temperature: Max. Operating Temp. ±3°C	
		Capacitance Change	Within ±12.5%	Test Time: 1000±12h Applied Voltage: 150% of the rated voltage Charge/discharge current: 50mA max.	
13	Durability	D.F.	0.2 max.	Initial measurement	
13	*	I.R.	More than $1000 \text{M}\Omega$ or 25Ω • F (Whichever is smaller)	Perform a heat treatment at 150+0/-10°C for 1h and then le sit for 24±2h at room temperature, then measure. • Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then le sit for 24±2h at room temperature, then measure.	

^{*} Mounting for testing: The capacitors should be mounted on the substrate as shown below using die bonding and wire bonding when tests No.10 to 13 are performed.





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GMA Series Specifications and Test Methods (2)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, VP-P or VO-P, whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Res	istance (I.R.)	C ≦ 0.047µF: More than 10000MΩ C > 0.047µF: More than 500Ω • F C: Nominal Capacitance	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
7	Dissipation Fa	ctor (D.F.)	W.V.: 25Vdc min.: 0.025max. W.V.: 16/10Vdc: 0.035max. W.V.: 6.3Vdc: 0.05max.	Measurement Voltage: 1.0±0.2Vrms
		No Bias	B1, B3: Within ±10% (-25 to +85°C) R1, R7: Within ±15% (-55 to +125°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. In case of applying voltage, the capacitance change should be
8	Temperature Characteristics of Capacitance	50% of the Rated Voltage	B1: Within +10/-30% R1: Within +15/-40%	measured after 1min with applying voltage in equilibration of each temp. stage. Capacitance value as a reference is the value in step 3. Step
9	Adhesive Strength of	Bond Strength	Pull force: 0.03N min.	MIL-STD-883 Method 2011 Condition D Mount the capacitor on a gold metalized alumina substrate with Au-20Sn and bond a ø25µm (ø0.001 inch) gold wire to the capacitor terminal using an ultrasonic ball bond. Then, pull wire.
	Termination	Die Shear Strength	Die Shear force: 2N min.	MIL-STD-883 Method 2019 Mount the capacitor on a gold metalized alumina substrate with Au-20Sn. Apply the force parallel to the substrate.
		Appearance	No defects or abnormalities.	Kind of Vibration: A simple harmonic motion
10	Vibration	Capacitance	Within the specified initial value.	10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm
	•	D.F.	Within the specified initial value.	This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
		Appearance	No defects or abnormalities.	Perform the five cycles according to the four heat treatments shown in the following table.
		Capacitance Change	Within ±7.5%	Step
	Temperature Sudden	D.F.	Within the specified initial value.	2 Room Temp. 2 to 3
11	Change	I.R.	Within the specified initial value.	3 Max. Operating Temp. +3/-0 30±3 4 Room Temp. 2 to 3
	*	Voltage Proof	No defects.	Exposure Time: 24±2h Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.

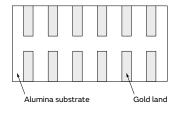
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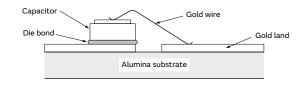
GMA Series Specifications and Test Methods (2)

Continued from the preceding page.

No	o Item		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)		
		Appearance	No defects or abnormalities.			
	High Temperature	Capacitance Change	Within ±12.5%	Test Temperature: 40±2°C Test Humidity: 90 to 95%RH Test Time: 500±12h		
12	High Humidity (Steady)	D.F.	W.V.: 25Vdc min.: 0.05max. W.V.: 16/10Vdc: 0.05max. W.V.: 6.3Vdc: 0.075max.	Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max. Exposure Time: 24±2h		
		I.R.	More than $500 \text{M}\Omega$ or 25Ω • F (Whichever is smaller)			
		Appearance	No defects or abnormalities.	Test Temperature: Max. Operating Temp. ±3°C		
		Capacitance Change	Within ±12.5%	Test Time: 1000±12h Applied Voltage: 200% of the rated voltage Charge/discharge current: 50mA max.		
13	Durability *	D.F.	W.V.: 25Vdc min.: 0.05max. W.V.: 16/10Vdc: 0.05max. W.V.: 6.3Vdc: 0.075max.	Exposure Time: 24±2h Initial measurement Apply 200% of the rated DC voltage at the max. operating temp.		
		I.R.	More than $1000 \text{M}\Omega$ or 50Ω • F (Whichever is smaller)	±3°C for 1h. Remove and set for 24±2h at room temperature. Perform initial measurement.		

^{*} Mounting for testing: The capacitors should be mounted on the substrate as shown below using die bonding and wire bonding when tests No.10 to 13 are performed.





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Wire Bonding/AuSn Soldering Mount Chip Multilayer Ceramic Capacitors for General Purpose

GMD Series





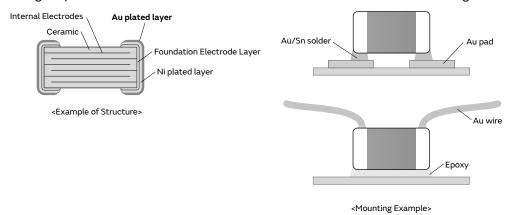


These capacitors have gold-plated electrodes and are designed specifically for wire bonding and use of gold-tin (AuSn) solder.

Features

Designed specifically for wire bonding and use of gold-tin (AuSn) solder.

The gold-plated external electrodes make these devices suitable for wire bonding or use of gold tin (AuSn) solder.



^{*}This product is suitable only for wire bonding or use of gold-tin (AuSn) solder. Other mounting methods should not be used.

Ideal for mounting in packages, such as optical communication related devices, IC and etc.

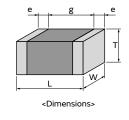
Noise can be reduced by eliminating the routing of the wire, and high efficiency can be achieved with a built-in capacitor in the package, such as TO-CAN, IC and etc. by wire bonding mounting.

Contributes to the miniaturization of the set.

Murata offers a lineup of small size products, such as the 0603 (0201) and 1005 (0402) in mm (inch).

Specifications

Size (mm)	0.6×0.3mm to 1.0×0.5mm
Rated Voltage	6.3Vdc to 50Vdc
Capacitance	100pF to 1.0μF
Main Applications	Various device related, such as GaAsIC (mounted in IC packages)



This catalog contains only a portion of the product lineup.

Please refer to the capacitor search tool on the Murata Web site for details.

GMD Series High Dielectric Constant Type Part Number List

0.6×0.3mm

0.6×0.3mm							
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	p*	
0.33mm	25Vdc	X7R	100pF	±10%	GMD033R71E101KA01#	p259	
			120pF	±10%	GMD033R71E121KA01#	p259	
			150pF	±10%	GMD033R71E151KA01#	p259	
			180pF	±10%	GMD033R71E181KA01#	p259	
			220pF	±10%	GMD033R71E221KA01#	p259	
			270pF	±10%	GMD033R71E271KA01#	p259	
			330pF	±10%	GMD033R71E331KA01#	p259	
			390pF	±10%	GMD033R71E391KA01#	p259	
			470pF	±10%	GMD033R71E471KA01#	p259	
			560pF	±10%	GMD033R71E561KA01#	p259	
			680pF	±10%	GMD033R71E681KA01#	p259	
			820pF	±10%	GMD033R71E821KA01#	p259	
			1000pF	±10%	GMD033R71E102KA01#	p259	
			1200pF	±10%	GMD033R71E122KA01#	p259	
			1500pF	±10%	GMD033R71E152KA01#	p259	
		R	100pF	±10%	GMD033R11E101KA01#	p259	
			120pF	±10%	GMD033R11E121KA01#	p259	
			150pF	±10%	GMD033R11E151KA01#	p259	
			180pF	±10%	GMD033R11E181KA01#	p259	
			220pF	±10%	GMD033R11E221KA01#	p259	
			270pF	±10%	GMD033R11E271KA01#	p259	
			330pF	±10%	GMD033R11E331KA01#	p259	
			390pF	±10%	GMD033R11E391KA01#	p259	
			470pF	±10%	GMD033R11E471KA01#	p259	
			560pF	±10%	GMD033R11E561KA01#	p259	
			680pF	±10%	GMD033R11E681KA01#	p259	
			820pF	±10%	GMD033R11E821KA01#	p259	
			1000pF	±10%	GMD033R11E102KA01#	p259	
			1200pF	±10%	GMD033R11E122KA01#	p259	
			1500pF	±10%	GMD033R11E152KA01#	p259	
		В	100pF	±10%	GMD033B11E101KA01#	p259	
			120pF	±10%	GMD033B11E121KA01#	p259	
			150pF	±10%	GMD033B11E151KA01#	p259	
			180pF	±10%	GMD033B11E181KA01#	p259	
			220pF	±10%	GMD033B11E221KA01#	p259	
			270pF	±10%	GMD033B11E271KA01#	p259	
			330pF	±10%	GMD033B11E331KA01#	p259	
			390pF	±10%	GMD033B11E391KA01#	p259	
			470pF	±10%	GMD033B11E471KA01#	p259	
			560pF	±10%	GMD033B11E561KA01#	p259	
			680pF	±10%	GMD033B11E681KA01#	p259	
			820pF	±10%	GMD033B11E821KA01#	p259	
			1000pF	±10%	GMD033B11E102KA01#	p259	
			1200pF	±10%	GMD033B11E122KA01#	p259	
			1500pF	±10%	GMD033B11E152KA01#	p259	
	16Vdc	X7R	1800pF	±10%	GMD033R71C182KA11#	p259	
			2200pF	±10%	GMD033R71C222KA11#	p259	
			2700pF	±10%	GMD033R71C272KA11#	p259	
			3300pF	±10%	GMD033R71C332KA11#	p259	
		R	1800pF	±10%	GMD033R11C182KA11#	p259	
			2200pF	±10%	GMD033R11C222KA11#	p259	
			2700pF	±10%	GMD033R11C272KA11#	p259	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	р*
0.33mm	16Vdc	R	3300pF	±10%	GMD033R11C332KA11#	p259
		В	1800pF	±10%	GMD033B31C182KA11#	p259
			2200pF	±10%	GMD033B31C222KA11#	p259
			2700pF	±10%	GMD033B31C272KA11#	p259
			3300pF	±10%	GMD033B31C332KA11#	p259
	10Vdc	X7R	3900pF	±10%	GMD033R71A392KA01#	p259
			4700pF	±10%	GMD033R71A472KA01#	p259
			5600pF	±10%	GMD033R71A562KA01#	p259
			6800pF	±10%	GMD033R71A682KA01#	p259
			8200pF	±10%	GMD033R71A822KA01#	p259
			10000pF	±10%	GMD033R71A103KA01#	p259
		R	3900pF	±10%	GMD033R11A392KA01#	p259
			4700pF	±10%	GMD033R11A472KA01#	p259
			5600pF	±10%	GMD033R11A562KA01#	p259
			6800pF	±10%	GMD033R11A682KA01#	p259
			8200pF	±10%	GMD033R11A822KA01#	p259
			10000pF	±10%	GMD033R11A103KA01#	p259
		В	3900pF	±10%	GMD033B11A392KA01#	p259
			4700pF	±10%	GMD033B11A472KA01#	p259
			5600pF	±10%	GMD033B11A562KA01#	p259
			6800pF	±10%	GMD033B11A682KA01#	p259
			8200pF	±10%	GMD033B11A822KA01#	p259
			10000pF	±10%	GMD033B11A103KA01#	p259
	6.3Vdc	X5R	56000pF	±10%	GMD033R60J563KE11#	p261
			68000pF	±10%	GMD033R60J683KE11#	p261
			82000pF	±10%	GMD033R60J823KE11#	p261
			0.10µF	±10%	GMD033R60J104KE11#	p261
		В	56000pF	±10%	GMD033B30J563KE11#	p261
			68000pF	±10%	GMD033B30J683KE11#	p261
			82000pF	±10%	GMD033B30J823KE11#	p261
			0.10µF	±10%	GMD033B30J104KE11#	p261

1.0×0.5mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	50Vdc	X7R	220pF	±10%	GMD155R71H221KA01#	p259
			270pF	±10%	GMD155R71H271KA01#	p259
			330pF	±10%	GMD155R71H331KA01#	p259
			390pF	±10%	GMD155R71H391KA01#	p259
			470pF	±10%	GMD155R71H471KA01#	p259
			560pF	±10%	GMD155R71H561KA01#	p259
			680pF	±10%	GMD155R71H681KA01#	p259
			820pF	±10%	GMD155R71H821KA01#	p259
			1000pF	±10%	GMD155R71H102KA01#	p259
			1200pF	±10%	GMD155R71H122KA01#	p259
			1500pF	±10%	GMD155R71H152KA01#	p259
			1800pF	±10%	GMD155R71H182KA01#	p259
			2200pF	±10%	GMD155R71H222KA01#	p259
			2700pF	±10%	GMD155R71H272KA01#	p259
			3300pF	±10%	GMD155R71H332KA01#	p259
			3900pF	±10%	GMD155R71H392KA01#	p259
			4700pF	±10%	GMD155R71H472KA01#	p259
		R	220pF	±10%	GMD155R11H221KA01#	p259
Part number # indicator the package specification and						

Part number # indicates the package specification code.

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 $[\]mbox{\ensuremath{\raisebox{.4ex}{\star}}}\colon \mbox{\ensuremath{\mbox{Refers}}}$ to the page of the "Specifications and Test Methods".

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GA3 GD

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/ LLM

NFM //

// KR3

GMD Series High Dielectric Constant Type Part Number List

(→ 1.0×0.5mm)

(→ 1.0>	0.5mm،)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	50Vdc	R	270pF	±10%	GMD155R11H271KA01#	p259
			330pF	±10%	GMD155R11H331KA01#	p259
			390pF	±10%	GMD155R11H391KA01#	p259
			470pF	±10%	GMD155R11H471KA01#	p259
			560pF	±10%	GMD155R11H561KA01#	p259
			680pF	±10%	GMD155R11H681KA01#	p259
			820pF	±10%	GMD155R11H821KA01#	p259
			1000pF	±10%	GMD155R11H102KA01#	p259
			1200pF	±10%	GMD155R11H122KA01#	p259
			1500pF	±10%	GMD155R11H152KA01#	p259
			1800pF	±10%	GMD155R11H182KA01#	p259
			2200pF	±10%	GMD155R11H222KA01#	p259
			2700pF	±10%	GMD155R11H272KA01#	p259
			3300pF	±10%	GMD155R11H332KA01#	p259
			3900pF	±10%	GMD155R11H392KA01#	p259
			4700pF	±10%	GMD155R11H472KA01#	p259
		В	220pF	±10%	GMD155B11H221KA01#	_
			270pF	±10%	GMD155B11H271KA01#	<u> </u>
			330pF	±10%	GMD155B11H331KA01#	_
			390pF	±10%	GMD155B11H391KA01#	<u> </u>
			470pF	±10%	GMD155B11H471KA01#	_
			560pF	±10%	GMD155B11H561KA01#	_
			680pF	±10%	GMD155B11H681KA01#	_
			820pF	±10%	GMD155B11H821KA01#	_
			1000pF	±10%	GMD155B11H102KA01#	-
			1200pF	±10%	GMD155B11H122KA01#	p259
			1500pF	±10%	GMD155B11H152KA01#	-
			1800pF	±10%		p259
			2200pF	±10%	GMD155B11H222KA01#	<u> </u>
			2700pF	±10%		p259
			3300pF	±10%	GMD155B11H332KA01#	<u> </u>
			3900pF	±10%		p259
			4700pF	±10%		p259
	25Vdc	X7R	5600pF	±10%	GMD155R71E562KA01#	p259
	23740	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6800pF	±10%	GMD155R71E682KA01#	p259
			8200pF	±10%	GMD155R71E822KA01#	p259
			10000pF	±10%	GMD155R71E103KA01#	p259
			12000pF	±10%	GMD155R71E123KA01#	p259
			15000pF	±10%	GMD155R71E153KA01#	p259
			18000pF	±10%	GMD155R71E183KA01#	p259
			22000pF	±10%	GMD155R71E223KA01#	p259
			27000pF	±10%	GMD155R71E273KA11#	p259
			33000pF	±10%	GMD155R71E333KA11#	_
			39000pF		GMD155R71E393KA11#	p259
			47000pF	±10%	GMD155R71E473KA11#	p259 p259
		R	5600pF	±10%	GMD155R71E473KA11#	p259
		"	6800pF	±10%		
			-		GMD155R11E822KA01#	p259
			8200pF	±10%		p259
			10000pF	±10%	GMD155R11E103KA01#	p259
			12000pF	±10%	GMD155R11E123KA01#	p259
			15000pF	±10%	GMD155R11E153KA01#	p259
			18000pF	±10%	GMD155R11E183KA01#	p259
			22000pF	±10%	GMD155R11E223KA01#	p259
*. Pofors t			27000pF	±10%	GMD155R11E273KA11#	p259

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	p*
0.55mm	25Vdc	R	33000pF	±10%	GMD155R11E333KA11#	p259
			39000pF	±10%	GMD155R11E393KA11#	p259
			47000pF	±10%	GMD155R11E473KA11#	p259
		В	5600pF	±10%	GMD155B11E562KA01#	p259
			6800pF	±10%	GMD155B11E682KA01#	p259
			8200pF	±10%	GMD155B11E822KA01#	p259
			10000pF	±10%	GMD155B11E103KA01#	p259
			12000pF	±10%	GMD155B11E123KA01#	p259
			15000pF	±10%	GMD155B11E153KA01#	p259
			18000pF	±10%	GMD155B11E183KA01#	p259
			22000pF	±10%	GMD155B11E223KA01#	p259
			27000pF	±10%	GMD155B31E273KA11#	p259
			33000pF	±10%	GMD155B31E333KA11#	p259
			39000pF	±10%	GMD155B31E393KA11#	p259
			47000pF	±10%	GMD155B31E473KA11#	p259
	16Vdc	X7R	56000pF	±10%	GMD155R71C563KA11#	p259
			68000pF	±10%	GMD155R71C683KA11#	p259
			82000pF	±10%	GMD155R71C823KA11#	p259
			0.10µF	±10%	GMD155R71C104KA11#	p259
		R	56000pF	±10%	GMD155R11C563KA11#	p259
			68000pF	±10%	GMD155R11C683KA11#	p259
			82000pF	±10%	GMD155R11C823KA11#	p259
			0.10µF	±10%	GMD155R11C104KA11#	p259
		В	56000pF	±10%	GMD155B31C563KA11#	p259
			68000pF	±10%	GMD155B31C683KA11#	p259
			82000pF	±10%	GMD155B31C823KA11#	p259
			0.10µF	±10%	GMD155B31C104KA11#	p259
	10Vdc	X5R	0.12µF	±10%	GMD155R61A124KE12#	p261
			0.15µF	±10%	GMD155R61A154KE12#	p261
			0.18µF	±10%	GMD155R61A184KE12#	p261
			0.22µF	±10%	GMD155R61A224KE12#	p261
			0.27µF	±10%	GMD155R61A274KE11#	p263
			0.33µF	±10%	GMD155R61A334KE11#	p263
			0.39µF	±10%	GMD155R61A394KE11#	p263
			0.47µF	±10%	GMD155R61A474KE11#	p263
		В	0.12µF	±10%	GMD155B31A124KE12#	p261
			0.15µF	±10%	GMD155B31A154KE12#	p261
			0.18µF	±10%	GMD155B31A184KE12#	p261
			0.22µF	±10%	GMD155B31A224KE12#	p261
			0.27µF	±10%	GMD155B31A274KE11#	p263
			0.33µF	±10%	GMD155B31A334KE11#	p263
			0.39µF	±10%	GMD155B31A394KE11#	p263
			0.47µF	±10%	GMD155B31A474KE11#	p263

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GMD Series Specifications and Test Methods (1)

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, V ^{p.p} or V ^{o.p} , whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Res	istance (I.R.)	C ≦ 0.047μF: More than 10000MΩ C > 0.047μF: More than 500Ω • F C: Nominal Capacitance	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 2min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
7	Dissipation Fa	ctor (D.F.)	W.V.: 25Vdc min.: 0.025max. W.V.: 16/10Vdc: 0.035max.	Measurement Frequency: 1.0±0.1kHz Measurement Voltage: 1.0±0.2Vrms
		No Bias	B1, B3: Within ±10% (-25 to +85°C) R1, R7: Within ±15% (-55 to +125°C) R6: Within ±15% (-55 to +85°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. In case of applying voltage, the capacitance change should be measured after 1 minute with applying voltage in equilibration of
8	Temperature Characteristics of Capacitance	E00/ - E	B1: Within +10/-30% R1: Within +15/-40%	each temp. stage. Capacitance value as a reference is the value in step 3. Step
9	Adhesive Strength of	Bond Strength	Pull force: 0.03N min.	MIL-STD-883 Method 2011 Condition D Mount the capacitor on a gold metalized alumina substrate with Au-20Sn and bond a Ø25μm (Ø0.001 inch) gold wire to the capacitor terminal using an ultrasonic ball bond. Then, pull wire.
	Termination	Die Shear Strength	Die Shear force: 2N min.	MIL-STD-883 Method 2019 Mount the capacitor on a gold metalized alumina substrate with Au-205n. Apply the force parallel to the substrate.
		Appearance	No defects or abnormalities.	Kind of Vibration: A simple harmonic motion
10	Vibration	Capacitance	Within the specified initial value.	10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm
	*	D.F.	Within the specified initial value.	This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
		Appearance	No defects or abnormalities.	Perform the five cycles according to the four heat treatments
		Capacitance Change	Within ±7.5%	shown in the following table. Step Temp. (°C) Time (min)
	Temperature	D.F.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3 2 Room Temp. 2 to 3
11	Sudden Change	I.R.	Within the specified initial value.	3 Max. Operating Temp. +3/-0 30±3
	*	Voltage Proof	No defects.	4 Room Temp. 2 to 3 Exposure Time: 24±2h Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.

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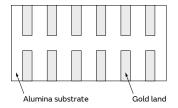
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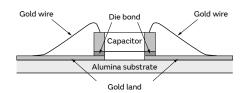
GMD Series Specifications and Test Methods (1)

Continued from the preceding page.

No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
	High	Appearance	No defects or abnormalities.	Test Temperature: 40±2°C
12	Temperature High Humidity (Steady)	Capacitance Change	Within ±12.5%	Test Humidity: 90 to 95%RH Test Time: 500±12h
		D.F.	0.05max.	Applied Voltage: DC Rated Voltage Charge/discharge current: 50mA max.
		I.R.	More than $500 \text{M}\Omega$ or $25 \Omega \cdot \text{F}$ (Whichever is smaller)	Exposure Time: 24±2h
		Appearance	No defects or abnormalities.	Test Temperature: Max. Operating Temp. ±3°C
		Capacitance Change	Within ±12.5%	Test Time: 1000±12h Applied Voltage: 200% of the rated voltage Charge/discharge current: 50mA max.
13	Durability	D.F.	0.05max.	Exposure Time: 24±2h
	*	I.R. More than $1000\text{M}\Omega$ or $50\Omega \cdot \text{F}$ (Whichever is smaller)		Initial measurement Apply 200% of the rated DC voltage at the max. operating temp. ±3°C for 1h. Remove and set for 24±2h at room temperature. Perform initial measurement.

^{*} Mounting for testing: The capacitors should be mounted on the substrate as shown below using die bonding and wire bonding when tests No.10 to 13 are





GMD Series Specifications and Test Methods (2)

No	o Item		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
1	. Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, VP-P or VO-P, whichever is larger, should be maintained within the rated voltage range.
2	Appearance		No defects or abnormalities.	Visual inspection.
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.
5	Insulation Resistance (I.R.)		More than $2000M\Omega$ or 50Ω • F (Whichever is smaller)	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 1min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature
7	Dissipation Fa	ctor (D.F.)	0.1 max.	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$
8	Temperature Characteristics of Capacitance	No Bias	B3: Within ±10% (-25 to +85°C) R6: Within ±15% (-55 to +85°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) Applying Voltage (VDC) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 - Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.
9	Adhesive Strength of	Bond Strength	Pull force: 0.03N min.	MIL-STD-883 Method 2011 Condition D Mount the capacitor on a gold metalized alumina substrate with Au-20Sn and bond a ø25µm (ø0.001 inch) gold wire to the capacitor terminal using an ultrasonic ball bond. Then, pull wire.
	Termination	Die Shear Strength	Die Shear force: 2N min.	MIL-STD-883 Method 2019 Mount the capacitor on a gold metalized alumina substrate with Au-20Sn. Apply the force parallel to the substrate.
		Appearance	No defects or abnormalities.	Kind of Vibration: A simple harmonic motion
10	Vibration	Capacitance	Within the specified initial value.	10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm
	*2	D.F.	Within the specified initial value.	This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).
		Appearance	No defects or abnormalities.	Perform the five cycles according to the four heat treatments
		Capacitance Change	Within ±7.5%	shown in the following table. Step Temp. (°C) Time (min)
	Temperature	D.F.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3 2 Room Temp. 2 to 3
11	Sudden Change	I.R.	Within the specified initial value.	3 Max. Operating Temp. +3/-0 30±3
11	Change *2	Voltage Proof	No defects.	4 Room Temp. 2 to 3 Exposure Time: 24±2h Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.

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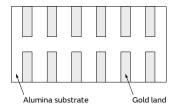
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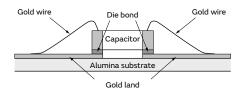
GMD Series Specifications and Test Methods (2)

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No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)
		Appearance	No defects or abnormalities.	Test Temperature: 40±2°C
	High	Capacitance Change	Within ±12.5%	Test Humidity: 90 to 95%RH Test Time: 500±12h Applied Voltage: DC Rated Voltage
	Temperature High	D.F.	0.2 max.	Charge/discharge current: 50mA max.
12	Humidity (Steady) *2	I.R.	More than $500 M\Omega$ or 12.5Ω • F (Whichever is smaller)	 Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure. Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.
		Appearance	No defects or abnormalities.	Test Temperature: Max. Operating Temp. ±3°C
		Capacitance Change	Within ±12.5%	Test Time: 1000±12h Applied Voltage: 150% of the rated voltage Charge/discharge current: 50mA max.
13	Durability	D.F.	0.2 max.	Initial measurement
	*2	I.R.	More than $1000 \text{M}\Omega$ or 25Ω • F (Whichever is smaller)	Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature,then measure. • Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.

*2 Mounting for testing: The capacitors should be mounted on the substrate as shown below using die bonding and wire bonding when tests No.10 to 13 are performed.





GMD Series Specifications and Test Methods (3)

No	lo Item		Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)	
1	Rated Voltage		Shown in Rated value.	The rated voltage is defined as the maximum voltage which may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, V ^{p.p} or V ^{o.p} , whichever is larger, should be maintained within the rated voltage range.	
2	Appearance		No defects or abnormalities.	Visual inspection.	
3	Dimension		Within the specified dimensions.	Using Measuring instrument of dimension.	
4	Voltage Proof		No defects or abnormalities.	Measurement Point: Between the terminations Test Voltage: 250% of the rated voltage Applied Time: 1 to 5s Charge/discharge current: 50mA max.	
5	Insulation Resistance (I.R.)		More than $2000 \text{M}\Omega$ or 50Ω • F (Whichever is smaller)	Measurement Point: Between the terminations Measurement Voltage: DC Rated Voltage Charging Time: 1min Charge/discharge current: 50mA max. Measurement Temperature: Room Temperature	
6	Capacitance		Shown in Rated value.	Measurement Temperature: Room Temperature	
7	Dissipation Factor (D.F.)		0.1 max.	Capacitance Frequency Voltage *1 C ≤ 10μF (10V min.) 1.0±0.1kHz 1.0±0.2Vrms C ≤ 10μF (6.3V max.) 1.0±0.1kHz 0.5±0.1Vrms *1 GMD155 B3/R6 1A 124 to 224 are applied to 0.5±0.1Vrms	
8	Temperature Characteristics of Capacitance	No Bias	B3: Within ±10% (-25 to +85°C) R6: Within ±15% (-55 to +85°C)	The capacitance change should be measured after 5 minutes at each specified temp. stage. Capacitance value as a reference is the value in step 3. Step Temperature (°C) Applying Voltage (VDC) 1 Reference Temp. ±2 2 Min. Operating Temp. ±3 3 Reference Temp. ±2 4 Max. Operating Temp. ±3 5 Reference Temp. ±2 Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.	
9	Adhesive Strength of	Bond Strength	Pull force: 0.03N min.	MIL-STD-883 Method 2011 Condition D Mount the capacitor on a gold metalized alumina substrate with Au-20Sn and bond a ø25µm (ø0.001 inch) gold wire to the capacitor terminal using an ultrasonic ball bond. Then, pull wire.	
	Termination	Die Shear Strength	Die Shear force: 2N min.	MIL-STD-883 Method 2019 Mount the capacitor on a gold metalized alumina substrate with Au-20Sn. Apply the force parallel to the substrate.	
		Appearance	No defects or abnormalities.	Kind of Vibration: A simple harmonic motion	
10	Vibration	Capacitance	Within the specified initial value.	10Hz to 55Hz to 10Hz (1min) Total amplitude: 1.5mm	
	*2	D.F.	Within the specified initial value.	This motion should be applied for a period of 2h in each 3 mutually perpendicular directions (total of 6h).	
		Appearance	No defects or abnormalities.	Perform the five cycles according to the four heat treatments	
		Capacitance Change	Within ±7.5%	shown in the following table. Step Temp. (°C) Time (min)	
	Temperature	D.F.	Within the specified initial value.	1 Min. Operating Temp. +0/-3 30±3 2 Room Temp. 2 to 3	
11	Sudden Change	I.R.	Within the specified initial value.	3 Max. Operating Temp. +3/-0 30±3	
11	Change *2	Voltage Proof	No defects.	4 Room Temp. 2 to 3 Exposure Time: 24±2h Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.	

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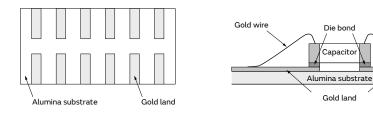
GMD Series Specifications and Test Methods (3)

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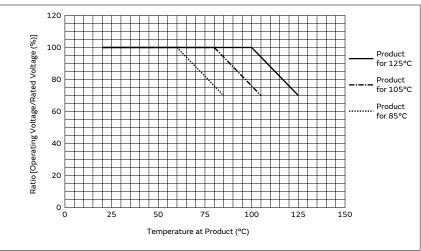
No	lte	em	Specification	Test Method (Ref. Standard: JIS C 5101, IEC60384)	
		Appearance No defects or abnormalities.		Test Temperature: 40±2°C	
	High	Capacitance Change	Within ±12.5%	Test Humidity: 90 to 95%RH Test Time: 500±12h Applied Voltage: DC Rated Voltage	
	Temperature High	D.F.	0.2 max.	Charge/discharge current: 50mA max.	
12	Humidity (Steady) *2	I.R.	More than $500 M\Omega$ or 12.5Ω • F (Whichever is smaller)	 Initial measurement Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure. Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure. 	
		Appearance	No defects or abnormalities.	Test Temperature: Max. Operating Temp. ±3°C	
		Capacitance Change	Within ±12.5%	Test Time: 1000±12h Applied Voltage: 120% of the rated voltage Charge/discharge current: 50mA max.	
13	Durability	D.F.	0.2 max.	Initial measurement	
	*2	I.R.	More than $1000 \text{M}\Omega$ or $25\Omega \cdot \text{F}$ (Whichever is smaller)	Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature,then measure. • Measurement after test Perform a heat treatment at 150+0/-10°C for 1h and then let sit for 24±2h at room temperature, then measure.	

*2 Mounting for testing: The capacitors should be mounted on the substrate as shown below using die bonding and wire bonding when tests No.10 to 13 are performed.

Gold wire



Recommended derating conditions on voltage and temperature



These Part Numbers are designed for use in the circuits where continuous applied voltage to the capacitor is derated than rated voltage, and guarantee Durability Test with 120% × rated voltage as testing voltage at the maximum operating temperature.

The voltage and temperature derating conditions on the upside are recommended for use to ensure the same reliability level as normal specification.

GRM, GR3, GRJ, GR4, GR7, GJM, GQM, GA2, GA3, LLL, LLA, LLM, LLR, NFM, KRM, KR3, GMA, GMD

∴Caution/Notice



∆Caution

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1Caution

Storage and Operation Conditions

- The performance of chip multilayer ceramic capacitors and chip EMIFIL NFM series (henceforth just "capacitors") may be affected by the storage conditions.
 Please use them promptly after delivery.
 - 1-1. Maintain appropriate storage for the capacitors using the following conditions: Room Temperature of +5 to +40°C and a Relative Humidity of 20 to 70%. High temperature and humidity conditions and/or prolonged storage may cause deterioration of the packaging materials. If more than six months have elapsed since delivery, check packaging, mounting, etc. before use.

In addition, this may cause oxidation of the electrodes. If more than one year has elapsed since delivery, also check the solderability before use.

- 1-2. Corrosive gas can react with the termination (external) electrodes or lead wires of capacitors, and result in poor solderability. Do not store the capacitors in an atmosphere consisting of corrosive gas (e.g., hydrogen sulfide, sulfur dioxide, chlorine, ammonia gas, etc.).
- 1-3. Due to moisture condensation caused by rapid humidity changes, or the photochemical change caused by direct sunlight on the terminal electrodes and/or the resin/epoxy coatings, the solderability and electrical performance may deteriorate. Do not store capacitors under direct sunlight or in high humidity conditions.

Rating

1. Temperature Dependent Characteristics

- The electrical characteristics of a capacitor can change with temperature.
 - 1-1. For capacitors having larger temperature dependency, the capacitance may change with temperature changes.

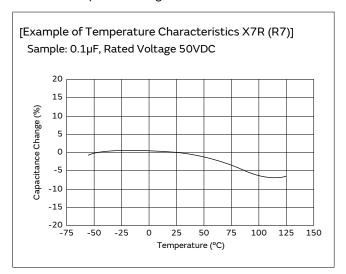
The following actions are recommended in order to ensure suitable capacitance values.

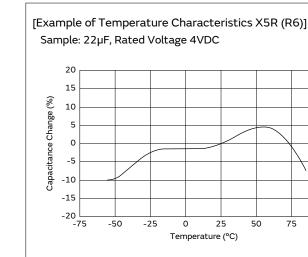
(1) Select a suitable capacitance for the operating temperature range.

(2) The capacitance may change within the rated temperature.

When you use a high dielectric constant type.

When you use a high dielectric constant type capacitor in a circuit that needs a tight (narrow) capacitance tolerance (e.g., a time-constant circuit), please carefully consider the temperature characteristics, and carefully confirm the various characteristics in actual use conditions and the actual system.





2. Measurement of Capacitance

- 1. Measure capacitance with the voltage and frequency specified in the product specifications.
 - 1-1. The output voltage of the measuring equipment may decrease occasionally when capacitance is high. Please confirm whether a prescribed measured voltage is impressed to the capacitor.
- 1-2. The capacitance values of high dielectric constant type capacitors change depending on the AC voltage applied. Please consider the AC voltage characteristics when selecting a capacitor to be used in an AC circuit.

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3. Applied Voltage and Applied Current

- 1. Do not apply a voltage to the capacitor that exceeds the rated voltage as called out in the specifications.
 - 1-1. Applied voltage between the terminals of a capacitor shall be less than or equal to the rated voltage.
 - (1) When AC voltage is superimposed on DC voltage, the zero-to-peak voltage shall not exceed the rated DC voltage.
 - When AC voltage or pulse voltage is applied, the peak-to-peak voltage shall not exceed the rated DC voltage.
 - (2) Abnormal voltages (surge voltage, static electricity, pulse voltage, etc.) shall not exceed the rated DC voltage.

Typical Voltage Applied to the DC Capacitor

DC Voltage	DC Voltage+AC	AC Voltage	Pulse Voltage
E	E O	0	E

(E: Maximum possible applied voltage.)

1-2. Influence of over voltage

Over voltage that is applied to the capacitor may result in an electrical short circuit caused by the breakdown of the internal dielectric layers. The time duration until breakdown depends on the applied voltage and the ambient temperature.

2. Use a safety standard certified capacitor in a power supply input circuit (AC filter), as it is also necessary to consider the withstand voltage and impulse withstand voltage defined for each device.

4. Type of Applied Voltage and Self-heating Temperature

1. Confirm the operating conditions to make sure that no large current is flowing into the capacitor due to the continuous application of an AC voltage or pulse voltage.

When a DC rated voltage product is used in an AC voltage circuit or a pulse voltage circuit, the AC current or pulse current will flow into the capacitor; therefore check the self-heating condition.

Please confirm the surface temperature of the capacitor so that the temperature remains within the upper limits of the operating temperature, including the rise in temperature due to self-heating. When the capacitor is used with a high-frequency voltage or pulse voltage, heat may be generated by dielectric loss.

<Applicable to Rated Voltage of less than 100VDC>

1-1. The load should be contained so that the self-heating of the capacitor body remains below 20°C, when measuring at an ambient temperature of 25°C.

<Applicable to NFM Series>

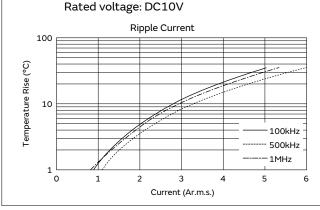
3. The capacitors also have rated currents.

The current flowing between the terminals of a capacitor shall be less than or equal to the rated current. Using the capacitor beyond this range could lead to excessive heat.



Sample: R (R1) characteristics 10µF,

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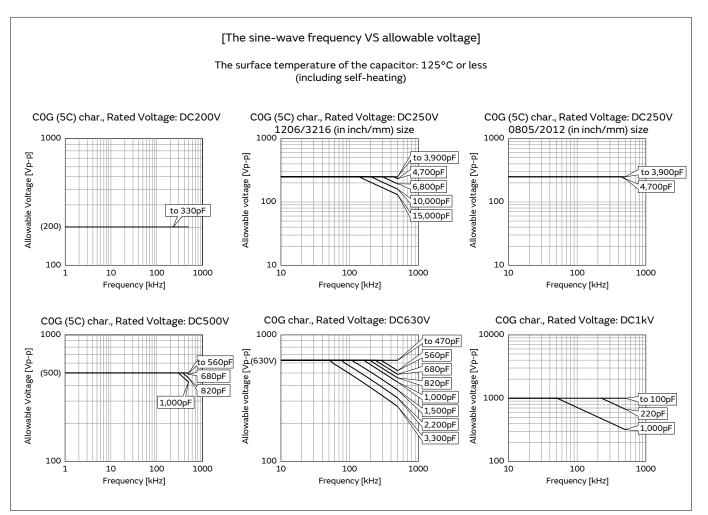
<Applicable to Temperature Characteristics X7R (R7), X7T (D7), X7T (W0) beyond Rated Voltage of 200VDC>

1-2. The load should be contained so that the self-heating of the capacitor body remains below 20°C, when measuring at an ambient temperature of 25°C. In addition, use a K thermocouple of ø0.1mm with less heat capacity when measuring, and measure in a condition where there is no effect from the radiant heat of other components or air flow caused by convection. Excessive generation of heat may cause deterioration of the characteristics and reliability of the capacitor. (Absolutely do not perform measurements while the cooling fan is operating, as an accurate measurement may not be performed.)

<Applicable to Temperature Characteristics U2J (7U), C0G (5C) beyond Rated Voltage of 200VDC>

1-3. Since the self-heating is low in the low loss series, the allowable power becomes extremely high compared to the common X7R (R7) characteristics. However, when a load with self-heating of 20°C is applied at the rated voltage, the allowable power may be exceeded. When the capacitor is used in a high-frequency voltage circuit of 1kHz or more, the frequency of the applied voltage should be less than 500kHz sine wave (less than 100kHz for a product with rated voltage of DC3.15kV), to limit the voltage load so that the load remains within the derating shown in the following figure. In the case of non-sine wave, high-frequency components exceeding the fundamental frequency may be included. In such a case, please contact Murata. The excessive generation of heat may cause deterioration of the characteristics and reliability of the capacitor. (Absolutely do not perform measurements while the cooling fan is operating, as an accurate measurement

may not be performed.)



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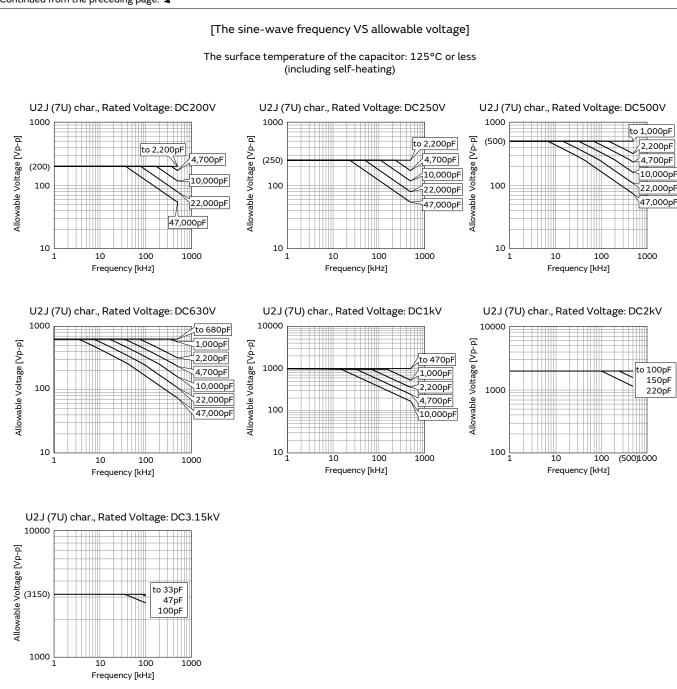
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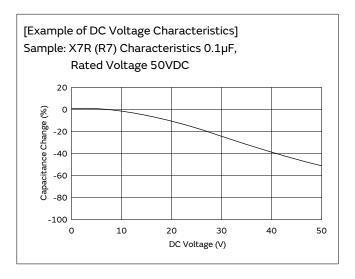


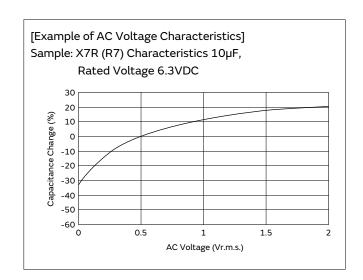
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5. DC Voltage and AC Voltage Characteristics

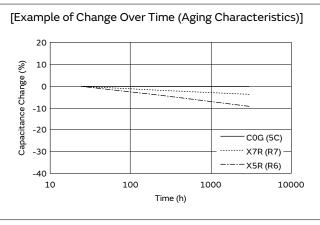
- 1. The capacitance value of a high dielectric constant type capacitor changes depending on the DC voltage applied. Please consider the DC voltage characteristics when a capacitor is selected for use in a DC circuit.
 - 1-1. The capacitance of ceramic capacitors may change sharply depending on the applied voltage (see figure). Please confirm the following in order to secure the capacitance.
 - (1) Determine whether the capacitance change caused by the applied voltage is within the allowed range.
 - (2) In the DC voltage characteristics, the rate of capacitance change becomes larger as voltage increases, even if the applied voltage is below the rated voltage. When a high dielectric constant type capacitor is used in a circuit that requires a tight (narrow) capacitance tolerance (e.g., a time constant circuit), please carefully consider the voltage characteristics, and confirm the various characteristics in the actual operating conditions of the system.
- 2. The capacitance values of high dielectric constant type capacitors changes depending on the AC voltage applied. Please consider the AC voltage characteristics when selecting a capacitor to be used in an AC circuit.





6. Capacitance Aging

1. The high dielectric constant type capacitors have an Aging characteristic in which the capacitance value decreases with the passage of time. When you use high dielectric constant type capacitors in a circuit that needs a tight (narrow) capacitance tolerance (e.g., a time-constant circuit), please carefully consider the characteristics of these capacitors, such as their aging, voltage, and temperature characteristics. In addition, check capacitors using your actual appliances at the intended environment and operating conditions.



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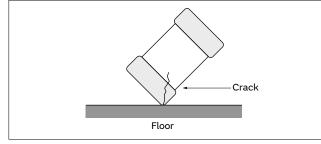
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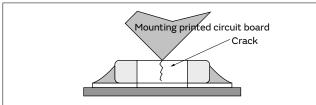
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7. Vibration and Shock

- Please confirm the kind of vibration and/or shock, its condition, and any generation of resonance.
 Please mount the capacitor so as not to generate resonance, and do not allow any impact on the terminals.
- 2. Mechanical shock due to being dropped may cause damage or a crack in the dielectric material of the capacitor.
 - Do not use a dropped capacitor because the quality and reliability may be deteriorated.
- 3. When printed circuit boards are piled up or handled, the corner of another printed circuit board should not be allowed to hit the capacitor, in order to avoid a crack or other damage to the capacitor.





Soldering and Mounting

1. Mounting Position

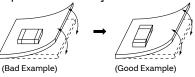
- Confirm the best mounting position and direction that minimizes the stress imposed on the capacitor during flexing or bending the printed circuit board.
 - 1-1. Choose a mounting position that minimizes the stress imposed on the chip during flexing or bending of the board.

<Applicable to NFM Series>

If you mount the capacitor near components that generate heat, take note of the heat from the other components and carefully check the self-heating of the capacitor before using.

If there is significant heat radiation from other components, it could lower the insulation resistance of the capacitor or produce excessive heat.

[Component Direction]



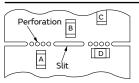
Locate chip horizontal to the direction in which stress acts.

[Chip Mounting Close to Board Separation Point]

It is effective to implement the following measures, to reduce stress in separating the board.

It is best to implement all of the following three measures; however, implement as many measures as possible to reduce stress.

Contents of Measures	Stress Level
(1) Turn the mounting direction of the component parallel to the board separation surface.	A > D *1
(2) Add slits in the board separation part.	A > B
(3) Keep the mounting position of the component away from the board separation surface.	A > C

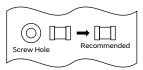


 ${\bf *1}\,{\bf A}$ > D is valid when stress is added vertically to the perforation as with Hand Separation.

If a Cutting Disc is used, stress will be diagonal to the PCB, therefore A > D is invalid

[Mounting Capacitors Near Screw Holes]

When a capacitor is mounted near a screw hole, it may be affected by the board deflection that occurs during the tightening of the screw. Mount the capacitor in a position as far away from the screw holes as possible.



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2. Information before Mounting

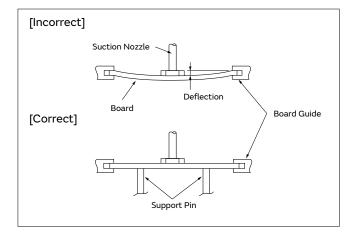
- 1. Do not re-use capacitors that were removed from the equipment.
- 2. Confirm capacitance characteristics under actual applied voltage.
- 3. Confirm the mechanical stress under actual process and equipment use.
- 4. Confirm the rated capacitance, rated voltage and other electrical characteristics before assembly.
- 5. Prior to use, confirm the solderability of capacitors that were in long-term storage.
- 6. Prior to measuring capacitance, carry out a heat treatment for capacitors that were in long-term storage.
- 7. The use of Sn-Zn based solder will deteriorate the reliability of the MLCC.
 Please contact our sales representative or product engineers on the use of Sn-Zn based solder in advance.
- We have also produced a DVD which shows a summary of our recommendations, regarding the precautions for mounting. Please contact our sales representative to request the DVD.

3. Maintenance of the Mounting (pick and place) Machine

- Make sure that the following excessive forces are not applied to the capacitors. Check the mounting in the actual device under actual use conditions ahead of time.
 - 1-1. In mounting the capacitors on the printed circuit board, any bending force against them shall be kept to a minimum to prevent them from any damage or cracking. Please take into account the following precautions and recommendations for use in your process.
 - (1) Adjust the lowest position of the pickup nozzle so as not to bend the printed circuit board.
- 2. Dirt particles and dust accumulated in the suction nozzle and suction mechanism prevent the nozzle from moving smoothly. This creates excessive force on the capacitor during mounting, causing cracked chips. Also, the locating claw, when worn out, imposes uneven forces on the chip when positioning, causing cracked chips. The suction nozzle and the locating claw must be maintained, checked, and replaced periodically.

<Applicable to ZRB Series>

- To adjust the inspection tolerance for automated appearance sorting machine of mounting position, because ZRB series are easier to shift the mounting position than standard MLCC.
- 4. To check the overturn and reverse of chip.
- 5. To control mounting speed carefully, because ZRB series is heavier than standard MLCC.



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4-1. Reflow Soldering

- 1. When sudden heat is applied to the components, the mechanical strength of the components will decrease because a sudden temperature change causes deformation inside the components. In order to prevent mechanical damage to the components, preheating is required for both the components and the PCB. Preheating conditions are shown in table 1. It is required to keep the temperature differential between the solder and the components surface (ΔT) as small as possible.
- 2. When components are immersed in solvent after mounting, be sure to maintain the temperature difference (ΔT) between the component and the solvent within the range shown in table 1.

Table 1

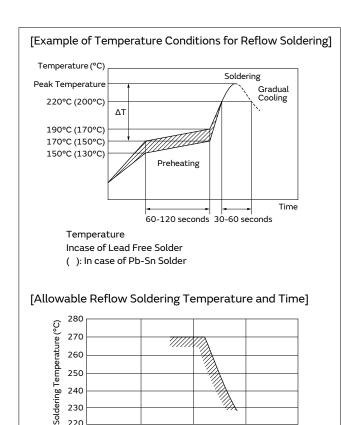
Series	Chip Dimension Code (L/W)	Temperature Differential	
GRM/GJM/GQM/GR3/ GRJ/KRM/LLR/NFM/GR7	02/03/15/18/21/31	AT<10000	
LLL	02/03/15/18/1U/21/31	ΔT≦190°C	
ZRB	15/18		
GR3/GRJ/GRM/KR3/KRM GA2/GA3/GR4	32/42/43/52/55	AT<12000	
LLA/LLM	18/21/31	ΔT≦130°C	
GQM	22		

Recommended Conditions

	Pb-Sn Solder	Lead Free Solder
Peak Temperature	230 to 250°C	240 to 260°C
Atmosphere	Air	Air or N2

Pb-Sn Solder: Sn-37Pb Lead Free Solder: Sn-3.0Ag-0.5Cu

- 3. When a capacitor is mounted at a temperature lower than the peak reflow temperature recommended by the solder manufacturer, the following quality problems can occur. Consider factors such as the placement of peripheral components and the reflow temperature setting to prevent the capacitor's reflow temperature from dropping below the peak temperature specified. Be sure to evaluate the mounting situation beforehand and verify that none of the following problems occur.
 - Drop in solder wettability
 - Solder voids
 - Possible occurrence of whiskering
 - Drop in bonding strength
 - Drop in self-alignment properties
 - Possible occurrence of tombstones and/or shifting on the land patterns of the circuit board



In the case of repeated soldering, the accumulated soldering time must be within the range shown above.

90 12 Soldering Time (s)

240 230 220

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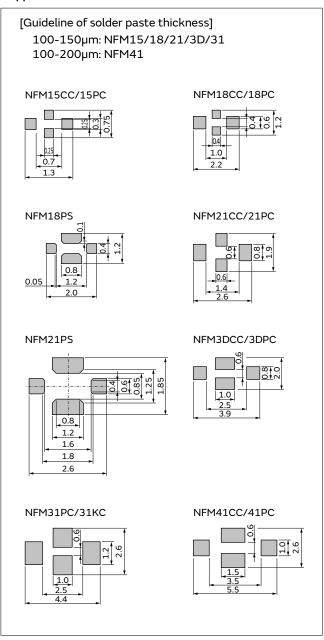
KR3

1Caution

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- 4. Optimum Solder Amount for Reflow Soldering
 - 4-1. Overly thick application of solder paste results in a excessive solder fillet height.
 - This makes the chip more susceptible to mechanical and thermal stress on the board and may cause the chips to crack.
 - 4-2. Too little solder paste results in a lack of adhesive strength on the termination, which may result in chips breaking loose from the PCB.
 - 4-3. Please confirm that solder has been applied smoothly to the termination.

<Applicable to NFM Series>



Inverting the PCB

Make sure not to impose any abnormal mechanical shocks to the PCB.

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4-2. Flow Soldering

1. Do not apply flow soldering to chips not listed in table 2.

Table 2

Series	Chip Dimension Code (L/W)	Temperature Differential
GR3/GRM	18/21/31	
GQM	18/21	
LLL	21/31	ΔΤ≦150°C
GRJ	18/21/31	
NFM	3D/31/41	

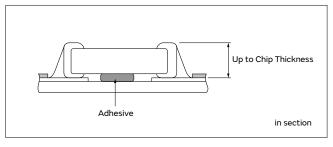
- 2. When sudden heat is applied to the components, the mechanical strength of the components will decrease because a sudden temperature change causes deformation inside the components. In order to prevent mechanical damage to the components, preheating is required for both of the components and the PCB. Preheating conditions are shown in table 2. It is required to keep the temperature differential between the solder and the components surface (ΔT) as low as possible.
- Excessively long soldering time or high soldering temperature can result in leaching of the terminations, causing poor adhesion or a reduction in capacitance value due to loss of contact between the inner electrodes and terminations.
- 4. When components are immersed in solvent after mounting, be sure to maintain the temperature differential (ΔT) between the component and solvent within the range shown in the table 2.

Recommended Conditions

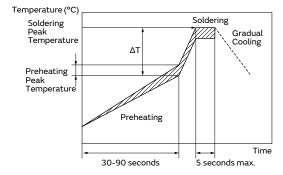
	Pb-Sn Solder	Lead Free Solder
Preheating Peak Temperature	90 to 110°C	100 to 120°C 140 to 160°C (NFM)
Soldering Peak Temperature	240 to 250°C	250 to 260°C
Atmosphere	Air	Air or N2

Pb-Sn Solder: Sn-37Pb Lead Free Solder: Sn-3.0Ag-0.5Cu

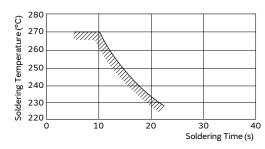
- 5. Optimum Solder Amount for Flow Soldering
 - 5-1. The top of the solder fillet should be lower than the thickness of the components. If the solder amount is excessive, the risk of cracking is higher during board bending or any other stressful condition.



$[{\sf Example}\ of\ {\sf Temperature}\ {\sf Conditions}\ for\ {\sf Flow}\ {\sf Soldering}]$



[Allowable Flow Soldering Temperature and Time]



In the case of repeated soldering, the accumulated soldering time must be within the range shown above.

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4-3. Correction of Soldered Portion

When sudden heat is applied to the capacitor, distortion caused by the large temperature difference occurs internally, and can be the cause of cracks. Capacitors also tend to be affected by mechanical and thermal stress depending on the board preheating temperature or the soldering fillet shape, and can be the cause of cracks. Please refer to "1. PCB Design" or "3. Optimum solder amount" for the solder amount and the fillet shapes.

Do not correct with a soldering iron for ZRB series. Correction with a soldering iron for ZRB series may cause loss suppress acoustic noise, because the solder amount become excessive.

- 1. Correction with a Soldering Iron
 - 1-1. In order to reduce damage to the capacitor, be sure to preheat the capacitor and the mounting board. Preheat to the temperature range shown in Table 3. A hot plate, hot air type preheater, etc. can be used for preheating.
 - 1-2. After soldering, do not allow the component/PCB to cool down rapidly.
 - 1-3. Perform the corrections with a soldering iron as quickly as possible. If the soldering iron is applied too long, there is a possibility of causing solder leaching on the terminal electrodes, which will cause deterioration of the adhesive strength and other problems.

Table 3

Series	Chip Dimension Code (L/W)	Temperature of Soldering Iron Tip	Preheating Temperature	Temperature Differential (ΔT)	Atmosphere
GJM/GQM/GR3/GRJ/GRM/GR7	03/15/18/21/31	350°C max.	150°C min.	ΔΤ≦190°C	Air
GRJ/GRM/GR4/GA2/GA3	32/42/43/52/55	280°C max.	150°C min.	ΔΤ≦130°C	۸:۰
GQM	22	280°C max.	150°C IIIII.		Air
NFM	3D/41	350°C max.	150°C min.	ΔΤ≤190°C	Air
	15	340°C max.	150 °C 111111.	Δ1≣190°C	All

^{*}Applicable for both Pb-Sn and Lead Free Solder.

Pb-Sn Solder: Sn-37Pb

Lead Free Solder: Sn-3.0Ag-0.5Cu

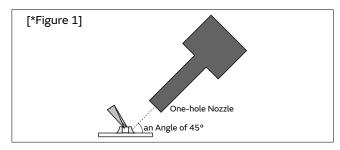
2. Correction with Spot Heater

Compared to local heating with a soldering iron, hot air heating by a spot heater heats the overall component and board, therefore, it tends to lessen the thermal shock. In the case of a high density mounted board, a spot heater can also prevent concerns of the soldering iron making direct contact with the component.

- 2-1. If the distance from the hot air outlet of the spot heater to the component is too close, cracks may occur due to thermal shock. To prevent this problem, follow the conditions shown in Table 4.
- 2-2. In order to create an appropriate solder fillet shape, it is recommended that hot air be applied at the angle shown in Figure 1.

Table 4

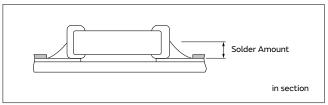
Distance	5mm or more	
Hot Air Application Angle	45° *Figure 1	
Hot Air Temperature Nozzle Outlet	400°C max.	
Augliostics Time	Less than 10 seconds (1206 (3216M) size or smaller)	
Application Time	Less than 30 seconds (1210 (3225M) size or larger)	



- 3. Optimum solder amount when re-working with a soldering iron
 - 3-1. If the solder amount is excessive, the risk of cracking is higher during board bending or any other stressful condition.

Too little solder amount results in a lack of adhesive strength on the termination, which may result in chips breaking loose from the PCB.

Please confirm that solder has been applied smoothly and rising to the end surface of the chip.



^{*}Please manage ΔT in the temperature of soldering iron and the preheating temperature.

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- 3-2. A soldering iron with a tip of ø3mm or smaller should be used. It is also necessary to keep the soldering iron from touching the components during the re-work.
- 3-3. Solder wire with Ø0.5mm or smaller is required for soldering.

<Applicable to KR3/KRM Series>

4. For the shape of the soldering iron tip, refer to the figure on the right.

Regarding the type of solder, use a wire diameter of ø0.5mm or less (rosin core wire solder).

- 4-1. How to Apply the Soldering Iron Apply the tip of the soldering iron against the lower end of the metal terminal.
 - 1) In order to prevent cracking caused by sudden heating of the ceramic device, do not touch the ceramic base directly.
 - 2) In order to prevent deviations and dislocating of the chip, do not touch the junction of the chip and the metal terminal, and the metal portion on the outside directly.
- 4-2. Appropriate Amount of Solder

 The amount of solder for corrections by soldering iron, should be lower than the height of the lower side of the chip.

5. Washing

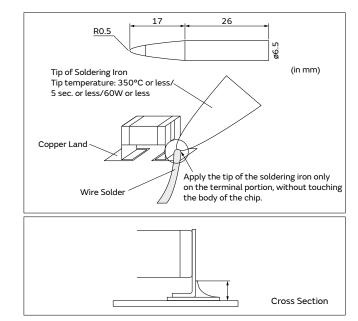
Excessive ultrasonic oscillation during cleaning can cause the PCBs to resonate, resulting in cracked chips or broken solder joints. Before starting your production process, test your cleaning equipment/process to insure it does not degrade the capacitors.

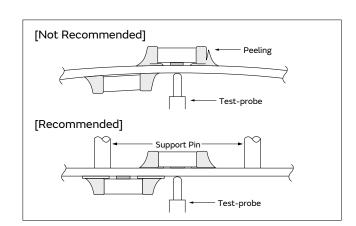
6. Electrical Test on Printed Circuit Board

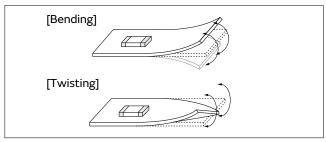
- Confirm position of the support pin or specific jig, when inspecting the electrical performance of a capacitor after mounting on the printed circuit board.
 - 1-1. Avoid bending the printed circuit board by the pressure of a test-probe, etc.
 The thrusting force of the test probe can flex the PCB, resulting in cracked chips or open solder joints. Provide support pins on the back side of the PCB to prevent warping or flexing. Install support pins as close to the test-probe as possible.
 - 1-2. Avoid vibration of the board by shock when a test-probe contacts a printed circuit board.

7. Printed Circuit Board Cropping

- After mounting a capacitor on a printed circuit board, do not apply any stress to the capacitor that causes bending or twisting the board.
 - 1-1. In cropping the board, the stress as shown at right may cause the capacitor to crack. Cracked capacitors may cause deterioration of the insulation resistance, and result in a short. Avoid this type of stress to a capacitor.







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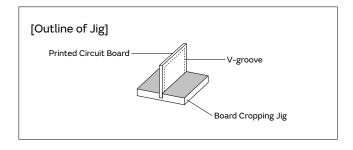
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- 2. Check the cropping method for the printed circuit board in advance.
 - 2-1. Printed circuit board cropping shall be carried out by using a jig or an apparatus (Disc separator, router type separator, etc.) to prevent the mechanical stress that can occur to the board.

Daged Consention Mathed	Hand Separation	(1) Board Consertion lie	Board Separation Apparatus		
Board Separation Method	Nipper Separation (1) Board Separation Jig		(2) Disc Separator	(3) Router Type Separator	
Level of stress on board	High	Medium	Medium Medium		
Recommended	×	∆*	∆*	0	
	Hand and ninner		· Board handling		
	Hand and nipper separation apply a high	· Board handling	· Layout of slits		
Notes	level of stress.	· Board bending direction	· Design of V groove	Board handling	
	Use another method.	· Layout of capacitors	· Arrangement of blades		
			· Controlling blade life		

^{*} When a board separation jig or disc separator is used, if the following precautions are not observed, a large board deflection stress will occur and the capacitors may crack. Use router type separator if at all possible.

(1) Example of a suitable jig [In the case of Single-side Mounting] An outline of the board separation jig is shown as follows. Recommended example: Stress on the component mounting position can be minimized by holding the portion close to the jig, and bend in the direction towards the side where the capacitors are mounted. Not recommended example: The risk of cracks occurring in the capacitors increases due to large stress being applied to the component mounting position, if the portion away from the jig is held and bent in the direction opposite the side where the capacitors are mounted.



Hand Separation



[In the case of Double-sided Mounting]
Since components are mounted on both sides of the board, the risk of cracks occurring can not be avoided with the above method.
Therefore, implement the following measures to prevent stress from being applied to the components.

(Measures)

- Consider introducing a router type separator.
 If it is difficult to introduce a router type separator, implement the following measures. (Refer to item 1. Mounting Position)
- (2) Mount the components parallel to the board separation surface.
- (3) When mounting components near the board separation point, add slits in the separation position near the component.
- (4) Keep the mounting position of the components away from the board separation point.

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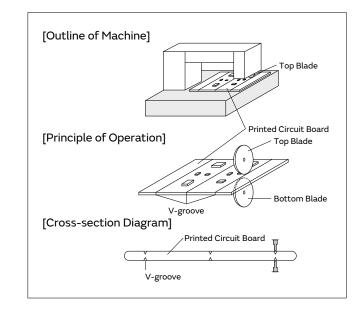
(2) Example of a Disc Separator

An outline of a disc separator is shown as follows. As shown in the Principle of Operation, the top blade and bottom blade are aligned with the V-grooves on the printed circuit board to separate the board.

In the following case, board deflection stress will be applied and cause cracks in the capacitors.

- (1) When the adjustment of the top and bottom blades are misaligned, such as deviating in the top-bottom, left-right or front-rear directions
- (2) The angle of the V groove is too low, depth of the V groove is too shallow, or the V groove is misaligned top-bottom

IF V groove is too deep, it is possible to brake when you handle and carry it. Carefully design depth of the V groove with consideration about strength of material of the printed circuit board.



Disc Separator

		Not Recommended					
Recommended		Top-bottom Misalignment		Left-right Misalignment		Front-rear Misalignment	
	Top Blade		Top Blade		Top Blade		Top Blade
	Bottom Blade		Bottom Blade		Bottom Blade		Bottom Blade

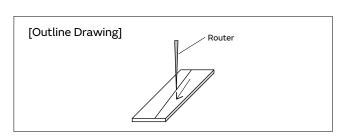
V-groove Design

Example of Recommended	Not Recommended					
V-groove Design	Left-right Misalignment	Low-Angle	Depth too Shallow	Depth too Deep		

(3) Example of Router Type Separator

The router type separator performs cutting by a router rotating at a high speed. Since the board does not bend in the cutting process, stress on the board can be suppressed during board separation.

When attaching or removing boards to/from the router type separator, carefully handle the boards to prevent bending.



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8. Assembly

1. Handling

If a board mounted with capacitors is held with one hand, the board may bend. Firmly hold the edges of the board with both hands when handling.

If a board mounted with capacitors is dropped, cracks may occur in the capacitors.

Do not use dropped boards, as there is a possibility that the quality of the capacitors may be impaired.

- 2. Attachment of Other Components
 - 2-1. Mounting of Other Components

Pay attention to the following items, when mounting other components on the back side of the board after capacitors have been mounted on the opposite side

When the bottom dead point of the suction nozzle is set too low, board deflection stress may be applied to the capacitors on the back side (bottom side), and cracks may occur in the capacitors.

- · After the board is straightened, set the bottom dead point of the nozzle on the upper surface of the board.
- · Periodically check and adjust the bottom dead point.
- 2-2. Inserting Components with Leads into Boards When inserting components (transformers, IC, etc.) into boards, bending the board may cause cracks in the capacitors or cracks in the solder.

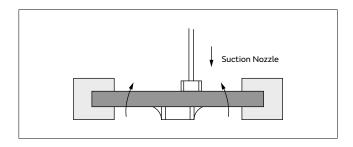
Pay attention to the following.

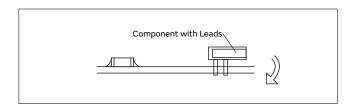
- · Increase the size of the holes to insert the leads, to reduce the stress on the board during insertion.
- \cdot Fix the board with support pins or a dedicated jig before insertion.
- · Support below the board so that the board does not bend. When using support pins on the board, periodically confirm that there is no difference in the height of each support pin.
- 2-3. Attaching/Removing Sockets and/or Connectors Insertion and removal of sockets and connectors, etc., might cause the board to bend. Please insure that the board does not warp during insertion and removal of sockets and connectors, etc., or the bending may damage mounted components on the board.
- 2-4. Tightening Screws

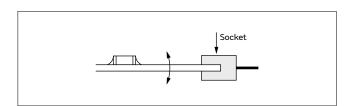
The board may be bent, when tightening screws, etc. during the attachment of the board to a shield or chassis.

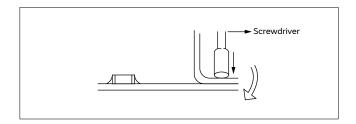
Pay attention to the following items before performing the work.

- · Plan the work to prevent the board from bending.
- · Use a torque screwdriver, to prevent over-tightening of the screws.
- · The board may bend after mounting by reflow soldering, etc. Please note, as stress may be applied to the chips by forcibly flattening the board when tightening the screws.









⚠ Caution

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<Applicable to GMA or GMD Series>

9. Die Bonding/Wire Bonding

- 1. Die Bonding of Capacitors
 - 1-1. Use the following materials for the Brazing alloys: Au-Sn (80/20) 300 to 320 °C in N2 atmosphere
 - 1-2. Mounting
 - (1) Control the temperature of the substrate so it matches the temperature of the brazing alloy.
 - (2) Place the brazing alloy on the substrate and place the capacitor on the alloy. Hold the capacitor and gently apply the load. Be sure to complete the operation within 1 minute.
- 2. Wire Bonding
 - 2-1. Wire

Gold wire: 25 micro m (0.001 inch) diameter

- 2-2. Bonding
 - (1) Thermo compression, ultrasonic ball bonding.
 - (2) Required stage temperature: 150 to 200 °C
 - (3) Required wedge or capillary weight: 0.2N to 0.5N
 - (4) Bond the capacitor and base substrate or other devices with gold wire.

Other

1. Under Operation of Equipment

- 1-1. Do not touch a capacitor directly with bare hands during operation in order to avoid the danger of an electric shock.
- 1-2. Do not allow the terminals of a capacitor to come in contact with any conductive objects (short-circuit). Do not expose a capacitor to a conductive liquid, including any acid or alkali solutions.
- 1-3. Confirm the environment in which the equipment will operate is under the specified conditions.
 - Do not use the equipment under the following environments.
 - (1) Being spattered with water or oil.
 - (2) Being exposed to direct sunlight.
 - (3) Being exposed to ozone, ultraviolet rays, or radiation.
 - (4) Being exposed to toxic gas (e.g., hydrogen sulfide, sulfur dioxide, chlorine, ammonia gas, etc.)
 - (5) Any vibrations or mechanical shocks exceeding the specified limits.
 - (6) Moisture condensing environments.
- 1-4. Use damp proof countermeasures if using under any conditions that can cause condensation.

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2. Other

2-1. In an Emergency

- (1) If the equipment should generate smoke, fire, or smell, immediately turn off or unplug the equipment.
 If the equipment is not turned off or unplugged, the hazards may be worsened by supplying continuous
- (2) In this type of situation, do not allow face and hands to come in contact with the capacitor or burns may be caused by the capacitor's high temperature.

2-2. Disposal of Waste

When capacitors are disposed of, they must be burned or buried by an industrial waste vendor with the appropriate licenses.

2-3. Circuit Design

- (1) Addition of Fail Safe Function Capacitors that are cracked by dropping or bending of the board may cause deterioration of the insulation resistance, and result in a short. If the circuit being used may cause an electrical shock, smoke or fire when a capacitor is shorted, be sure to install fail-safe functions, such as a fuse, to prevent secondary accidents.
- (2) Capacitors used to prevent electromagnetic interference in the primary AC side circuit, or as a connection/insulation, must be a safety standard certified product, or satisfy the contents stipulated in the Electrical Appliance and Material Safety Law. Install a fuse for each line in case of a short.
- (3) The GJM, GMA, GMD, GQM, GR3, GRJ, GRM, KR3, KRM, LLA, LLL, LLM, LLR, NFM and ZRB series are not safety standard certified products.
- 2-4. Test Condition for AC Withstanding Voltage
 - (1) Test Equipment

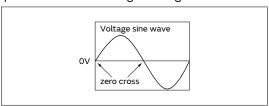
Test equipment for AC withstanding voltage should be made with equipment capable of creating a wave similar to a 50/60Hz sine wave.

(2) Voltage Applied Method

The capacitor's lead or terminal should be firmly connected to the output of the withstanding voltage test equipment, and then the voltage should be raised from near zero to the test voltage.

If the test voltage is applied directly to the capacitor without raising it from near zero, it should be applied with the zero cross. *At the end of the test time, the test voltage should be reduced to near zero, and then capacitor's lead or terminals should be taken off the output of the withstanding voltage test equipment. If the test voltage applied directly to the capacitor without raising it from near zero, surge voltage may occur and cause a defect.

*ZERO CROSS is the point where voltage sine wave passes 0V. - See the figure at right -



2-5. Remarks

Failure to follow the cautions may result, worst case, in a short circuit and smoking when the product is used.

The above notices are for standard applications and conditions. Contact us when the products are used in special mounting conditions.

Select optimum conditions for operation as they determine the reliability of the product after assembly.

The data herein are given in typical values, not guaranteed ratings.

GRJ

Notice

Rating

1. Operating Temperature

- 1. The operating temperature limit depends on the capacitor.
 - 1-1. Do not apply temperatures exceeding the maximum operating temperature.

It is necessary to select a capacitor with a suitable rated temperature that will cover the operating temperature range.

- It is also necessary to consider the temperature distribution in equipment and the seasonal temperature variable factor.
- 1-2. Consider the self-heating factor of the capacitor. The surface temperature of the capacitor shall not exceed the maximum operating temperature including self-heating.

2. Atmosphere Surroundings (gaseous and liquid)

- 1. Restriction on the operating environment of capacitors.
 - 1-1. Capacitors, when used in the above, unsuitable, operating environments may deteriorate due to the corrosion of the terminations and the penetration of moisture into the capacitor.
 - 1-2. The same phenomenon as the above may occur when the electrodes or terminals of the capacitor are subject to moisture condensation.
 - 1-3. The deterioration of characteristics and insulation resistance due to the oxidization or corrosion of terminal electrodes may result in breakdown when the capacitor is exposed to corrosive or volatile gases or solvents for long periods of time.

3. Piezo-electric Phenomenon

 When using high dielectric constant type capacitors in AC or pulse circuits, the capacitor itself vibrates at specific frequencies and noise may be generated.
 Moreover, when the mechanical vibration or shock is added to the capacitor, noise may occur.

Soldering and Mounting

1. PCB Design

- 1. Notice for Pattern Forms
 - 1-1. Unlike leaded components, chip components are susceptible to flexing stresses since they are mounted directly on the substrate. They are also more sensitive to mechanical and thermal stresses than leaded components. Excess solder fillet height can multiply these stresses and cause chip cracking. When designing substrates, take land patterns and dimensions into consideration to eliminate the possibility of excess solder fillet height.
 - 1-2. There is a possibility of chip cracking caused by PCB expansion/contraction with heat, because stress on a chip is different depending on PCB material and structure. When the thermal expansion coefficient greatly differs between the board used for mounting and the chip, it will cause cracking of the chip due to the thermal expansion and contraction. When capacitors are mounted on a fluorine resin printed circuit board or on a single-layered glass epoxy board, it may also cause cracking of the chip for the same reason.

<Applicable to NFM Series>

1-3. Because noise is suppressed by shunting unwanted high-frequency components to the ground, when designing a land for the NFM series, design the ground pattern to be as large as possible in order to better bring out this characteristic.

As shown in the figure below, noise countermeasures can be made more effective by using a via to connect the ground pattern on the chip mounting surface to a larger ground pattern on the inner layer.

Continued on the following page. 🖊

TI // LIT

KR3

Notice

Continued from the preceding page.

Pattern Forms

	Prohibited	Correct
Placing Close to Chassis	Chassis Solder (ground) Electrode Pattern in section	Solder Resist in section
Placing of Chip Components and Leaded Components	Lead Wire in section	Solder Resist in section
Placing of Leaded Components after Chip Component	Soldering Iron Lead Wire in section	Solder Resist in section
Lateral Mounting		Solder Resist

2. Land Dimensions

2-1. Please refer to the land dimensions in table 1 for flow soldering, table 2 for reflow soldering, table 3 for reflow soldering for ZRB Series, table 4 for reflow soldering for LLA Series, table 5 for reflow soldering for LLM Series.

Please confirm the suitable land dimension by evaluating of the actual SET / PCB.

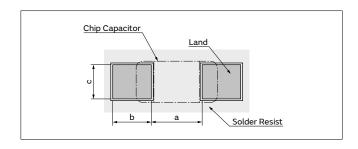


Table 1 Flow Soldering Method

Series	Chip Dimension Code (L/W)	Chip (L×W)	a	b	С
GQM/GR3/GRJ/GRM	18	1.6×0.8	0.6 to 1.0	0.8 to 0.9	0.6 to 0.8
GQM/GR3/GRJ/GRM	21	2.0×1.25	1.0 to 1.2	0.9 to 1.0	0.8 to 1.1
GR3/GRJ/GRM	31	3.2×1.6	2.2 to 2.6	1.0 to 1.1	1.0 to 1.4
LLL	21	1.25×2.0	0.4 to 0.7	0.5 to 0.7	1.4 to 1.8
LLL	31	1.6×3.2	0.6 to 1.0	0.8 to 0.9	2.6 to 2.8

Flow soldering can only be used for products with a chip size from 1.6x0.8mm to 3.2x1.6mm.

(in mm)

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Notice

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Table 2 Reflow Soldering Method

Series	Chip Dimension Code (L/W)	Chip (L×W)	a	b	0.2 to 0.23	
GJM/GRM	02	0.4×0.2	0.16 to 0.2	0.12 to 0.18		
		0.6×0.3 (±0.03)	0.2 to 0.25	0.2 to 0.3	0.25 to 0.35	
GJM/GRM	03	0.6×0.3 (±0.05)	0.2 to 0.25	0.25 to 0.35	0.3 to 0.4	
		0.6×0.3 (±0.09)	0.23 to 0.3	0.25 to 0.35	0.3 to 0.4	
O IM (ODM	45	1.0×0.5 (within ±0.10)	0.3 to 0.5	0.35 to 0.45	0.4 to 0.6	
GJM/GRM	15	1.0×0.5 (±0.15/±0.20)	0.4 to 0.6	0.4 to 0.5	0.5 to 0.7	
	10	1.6×0.8 (within ±0.10)	0.6 to 0.8	0.6 to 0.7	0.6 to 0.8	
GQM/GR3/GRJ/GRM	18	1.6×0.8 (±0.15/±0.20)	0.7 to 0.9	0.7 to 0.8	0.8 to 1.0	
GQM	21	2.0×1.25	1.0 to 1.2	0.6 to 0.7	0.8 to 1.1	
	21	2.0××1.25 (within ±0.10)	1.2	0.6	1.25	
GR3/GRJ/GRM/GR7		2.0×1.25 (±0.15)	1.2	0.6 to 0.8	1.2 to 1.4	
		2.0×1.25 (±0.20)	1.0 to 1.4	0.6 to 0.8	1.2 to 1.4	
GQM	22	2.8×2.8	2.2 to 2.5	0.8 to 1.0	1.9 to 2.3	
GR3/GRJ/GRM/GR7		3.2×1.6 (within ±0.20)	1.8 to 2.0	0.9 to 1.2	1.5 to 1.7	
	31	3.2×1.6 (±0.30)	1.9 to 2.1	1.0 to 1.3	1.7 to 1.9	
GR3/GRJ/GRM	32	3.2×2.5	2.0 to 2.4 1.0 to 1.2		1.8 to 2.3	
GA2/GA3/GR4	42	4.5×2.0	2.8 to 3.4 1.2 to 1.4		1.4 to 1.8	
GR3/GRJ/GRM/GA2/ GA3/GR4	43	4.5×3.2	3.0 to 3.5 1.2 to 1.4		2.3 to 3.0	
GA2/GA3	52	5.7×2.8	4.0 to 4.6	1.4 to 1.6	2.1 to 2.6	
GR3/GRJ/GRM/GA2/ GA3/GR4	55	5.7×5.0	4.0 to 4.6	1.4 to 1.6	3.5 to 4.8	
LLL	15	0.5×1.0	0.15 to 0.2	0.2 to 0.25	0.7 to 1.0	
LLL	10	0.6×1.0	0.20 to 0.25	0.25 to 0.35	0.7 to 1.0	
LLL/LLR	18	0.8×1.6	0.2 to 0.3	0.3 to 0.4	1.4 to 1.6	
LLL	21	1.25×2.0	0.4 to 0.5	0.4 to 0.5	1.4 to 1.8	
LLL	31	1.6×3.2	0.6 to 0.8	0.6 to 0.7	2.6 to 2.8	

<Applicable to Part Number KR3/KRM>

Applicable to Part Number 1837 1817									
Series	Chip Dimension Code (L/W)	Chip (L×W)	a	ь	С				
KRM	21	2.0×1.25	1.0 to 1.2	0.6 to 0.7	0.8 to 1.1				
KRM	31	3.2×1.6	2.2 to 2.4	0.8 to 0.9	1.0 to 1.4				
KR3/KRM	55	5.7×5.0	2.6	2.7	5.6				

(in mm)

Table 3 ZRB Series Reflow Soldering Method

Series	Chip Dimension Code (L/W)	Chip (L×W)	a	ь	С
ZRB	15	1.0×0.5	0.4 to 0.6	0.4 to 0.5	0.5 to 0.7
ZRB	18*	1.6×0.8	0.7 to 0.9	0.7 to 0.8	0.8 to 1.0

*If distance between parts is too short, there is risk to cause electrical short. Please confirm the mounting pitch (distance between centers of parts) has 1.275mm or more. (ZRB18 only)

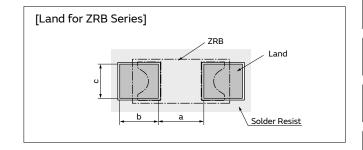


Table 4 LLA Series Reflow Soldering Method

Series	Chip Dimension Code (L/W)	Chip (L×W)	a	b	С	р
LLA	18	1.6×0.8	0.3 to 0.4	0.25 to 0.35	0.15 to 0.25	0.4
LLA	21	2.0×1.25	0.5 to 0.7	0.35 to 0.6	0.2 to 0.3	0.5

(in mm)

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GR3

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GR7

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GA2

GA3 GA3 GD GE

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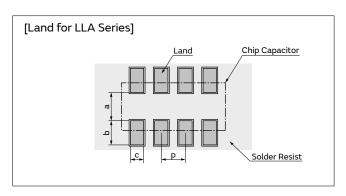
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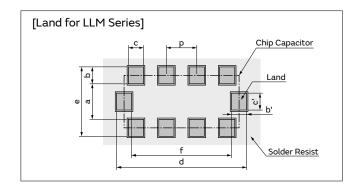
Table 5 LLM Series Reflow Soldering Method

Series	Chip Dimension Code (L/W)	Chip (L×W)	a	b, b'	c, c'	d	е	f	р
LLM	21	2.0×1.25	0.6 to 0.8	(0.3 to 0.5)	0.3	2.0 to 2.6	1.3 to 1.8	1.4 to 1.6	0.5

b=(c-e)/2, b'=(d-f)/2

(in mm)





<Applicable to beyond Rated Voltage of 200VDC>

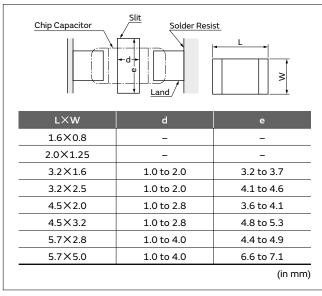
2-2. Dimensions of Slit (Example)

Preparing the slit helps flux cleaning and resin coating on the back of the capacitor.

However, the length of the slit design should be as short as possible to prevent mechanical damage in the capacitor.

A longer slit design might receive more severe mechanical stress from the PCB.

Recommended slit design is shown in the Table.



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GRM

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G M

GQM

GA2

GA3 GB

GA3 GD

GA3 GF

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NFM

XΩ

KR3

GMA

GMD

Notice

NFM41PC

10mm or

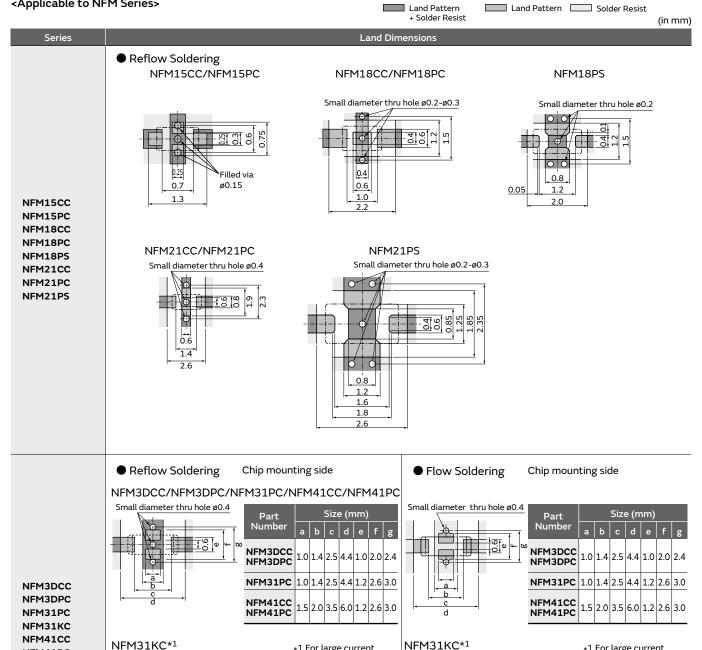
(in case of

more

10A)

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<Applicable to NFM Series>



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more.

*1 For large current

1A (1mm/A).

For example,

Small diameter thru hole ø0.4

6

design, width of

signal land pattern

should be wider not

in case of 10A, signal

land pattern width

should be 10mm or

(1mm/A*10A=10mm)

less than 1mm per

*1 For large current

1A (1mm/A).

For example,

more.

Small diameter thru hole ø0.4

design, width of

signal land pattern

should be wider not

in case of 10A, signal

land pattern width

should be 10mm or

(1mm/A*10A=10mm)

less than 1mm per

10mm or

(in case of

more

10A)

GA3 GD

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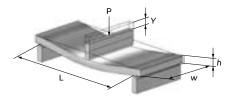
3. Board Design

When designing the board, keep in mind that the amount of strain which occurs will increase depending on the size and material of the board.

[Relationship with amount of strain to the board thickness, length, width, etc.]

$$\epsilon = \frac{3PL}{2Ewh^2}$$
 Relationship between load and strain

- ε: Strain on center of board (μst)
- L: Distance between supporting points (mm)
- w: Board width (mm)
- h: Board thickness (mm)
- E: Elastic modulus of board (N/m²=Pa)
- Y: Deflection (mm)
- P: Load (N)



When the load is constant, the following relationship can be established.

- · As the distance between the supporting points (L) increases, the amount of strain also increases.
- →Reduce the distance between the supporting points.
- · As the elastic modulus (E) decreases, the amount of strain increases. →Increase the elastic modulus.
- · As the board width (w) decreases, the amount of strain increases.
- →Increase the width of the board.
- · As the board thickness (h) decreases, the amount of strain increases. →Increase the thickness of the board.
- Since the board thickness is squared, the effect on the amount of strain becomes even greater.

2. Adhesive Application

If you want to temporarily attach the capacitor to the board using an adhesive agent before soldering the capacitor, first be sure that the conditions are appropriate for affixing the capacitor. If the dimensions of the land, the type of adhesive, the amount of coating, the contact surface area, the curing temperature, or other conditions are inappropriate, the characteristics of the capacitor may deteriorate.

- 1. Selection of Adhesive
 - 1-1. Depending on the type of adhesive, there may be a decrease in insulation resistance. In addition, there is a chance that the capacitor might crack from contractile stress due to the difference in the contraction rate of the capacitor and the adhesive.
 - 1-2. If there is not enough adhesive, the contact surface area is too small, or the curing temperature or curing time are inadequate, the adhesive strength will be insufficient and the capacitor may loosen or become disconnected during transportation or soldering. If there is too much adhesive, for example if it overflows onto the land, the result could be soldering defects, loss of electrical connection, insufficient curing, or slippage after the capacitor is mounted.

Furthermore, if the curing temperature is too high or the curing time is too long, not only will the adhesive

strength be reduced, but solderability may also suffer due to the effects of oxidation on the terminations (outer electrodes) of the capacitor and the land surface on the board.

- Selection of Adhesive
 Epoxy resins are a typical class of adhesive.
 To select the proper adhesive, consider the following points.
 - There must be enough adhesive strength to prevent the component from loosening or slipping during the mounting process.
 - 2) The adhesive strength must not decrease when exposed to moisture during soldering.
 - 3) The adhesive must have good coatability and shape retention properties.
 - 4) The adhesive must have a long pot life.
- 5) The curing time must be short.
- 6) The adhesive must not be corrosive to the exterior of the capacitor or the board.
- 7) The adhesive must have good insulation properties.
- 8) The adhesive must not emit toxic gases or otherwise be harmful to health.
- 9) The adhesive must be free of halogenated compounds.

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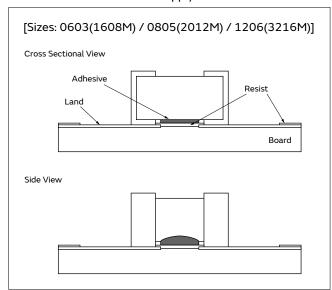
GR7

<u>G</u>JM

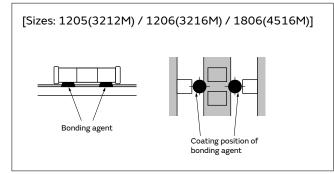
GA2

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(2) Use the following illustration as a guide to the amount of adhesive to apply.



<Applicable to NFM Series>



3. Adhesive Curing

 Insufficient curing of the adhesive can cause chips to disconnect during flow soldering and causes deterioration in the insulation resistance between the terminations due to moisture absorption. Control curing temperature and time in order to prevent insufficient hardening.

4. Flux for Flow Soldering

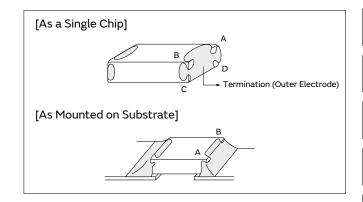
 An excessive amount of flux generates a large quantity of flux gas, which can cause a deterioration of solderability, so apply flux thinly and evenly throughout. (A foaming system is generally used for flow soldering.)

- 2. Flux containing too high a percentage of halide may cause corrosion of the terminations unless there is sufficient cleaning. Use flux with a halide content of 0.1% max.
- 3. Strong acidic flux can corrode the capacitor and degrade its performance.

Please check the quality of capacitor after mounting.

Flow Soldering

 Set temperature and time to ensure that leaching of the terminations does not exceed 25% of the chip end area as a single chip (full length of the edge A-B-C-D shown at right) and 25% of the length A-B shown as mounted on substrate.



6. Reflow Soldering

The flux in the solder paste contains halogen-based substances and organic acids as activators.

Strong acidic flux can corrode the capacitor and degrade its performance.

Please check the quality after mounting, please use.

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LLL GA3

GA3 GD

ILA

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KR3

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GMA

Notice

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7. Washing

- 1. Please evaluate the capacitor using actual cleaning equipment and conditions to confirm the quality, and select the solvent for cleaning.
- 2. Unsuitable cleaning may leave residual flux or other foreign substances, causing deterioration of electrical characteristics and the reliability of the capacitors.

8. Coating

1. A crack may be caused in the capacitor due to the stress of the thermal contraction of the resin during curing process.

The stress is affected by the amount of resin and curing contraction.

Select a resin with low curing contraction.

The difference in the thermal expansion coefficient between a coating resin or a molding resin and the capacitor may cause the destruction and deterioration of the capacitor such as a crack or peeling, and lead to the deterioration of insulation resistance or dielectric hreakdown

Select a resin for which the thermal expansion coefficient is as close to that of the capacitor as possible.

A silicone resin can be used as an under-coating to buffer against the stress.

- 2. Select a resin that is less hygroscopic.
 - Using hygroscopic resins under high humidity conditions may cause the deterioration of the insulation resistance of a capacitor.
 - An epoxy resin can be used as a less hygroscopic resin.
- 3. The halogen system substance and organic acid are included in coating material, and a chip corrodes by the kind of Coating material. Do not use strong acid type.

<Applicable to ZRB Series>

4. Loss suppress acoustic noise may be caused in ZRB series due to the resin during curing process. Please contact our sales representative or product engineers on the apply to resin during curing process.

Other

1. Transportation

- 1. The performance of a capacitor may be affected by the conditions during transportation.
 - 1-1. The capacitors shall be protected against excessive temperature, humidity, and mechanical force during transportation.
 - (1) Climatic condition
 - low air temperature: -40°C
 - change of temperature air/air: -25°C/+25°C
 - · low air pressure: 30 kPa
 - change of air pressure: 6 kPa/min.
 - (2) Mechanical condition

Transportation shall be done in such a way that the boxes are not deformed and forces are not directly passed on to the inner packaging.

- 1-2. Do not apply excessive vibration, shock, or pressure to the capacitor.
 - (1) When excessive mechanical shock or pressure is applied to a capacitor, chipping or cracking may occur in the ceramic body of the capacitor.
 - (2) When the sharp edge of an air driver, a soldering iron, tweezers, a chassis, etc. impacts strongly on the surface of the capacitor, the capacitor may crack and short-circuit.
- 1-3. Do not use a capacitor to which excessive shock was applied by dropping, etc.

A capacitor dropped accidentally during processing may be damaged.

2. Characteristics Evaluation in the Actual System

- 1. Evaluate the capacitor in the actual system, to confirm that there is no problem with the performance and specification values in a finished product before using.
- 2. Since a voltage dependency and temperature dependency exists in the capacitance of high dielectric type ceramic capacitors, the capacitance may change depending on the operating conditions in the actual system. Therefore, be sure to evaluate the various characteristics, such as the leakage current and noise absorptivity, which will affect the capacitance value of the capacitor.
- 3. In addition, voltages exceeding the predetermined surge may be applied to the capacitor by the inductance in the actual system. Evaluate the surge resistance in the actual system as required.

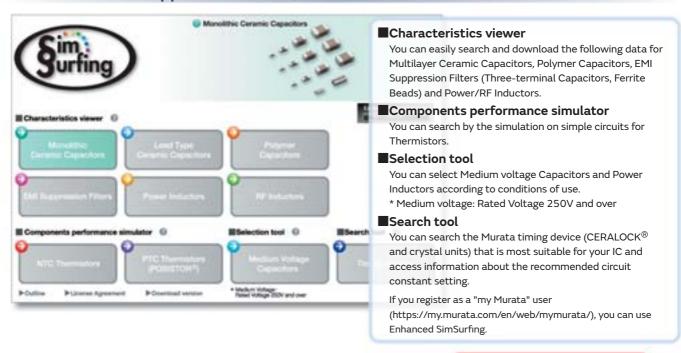
<Applicable to NFM Series>

4. The effects of noise suppression can vary depending on the usage conditions, including differences in the circuit or IC to be used, the type of noise, the shape of the pattern to be mounted, and the mounting location. Be sure to verify the effect on the actual device in advance.

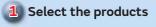
Design Support Tool "SimSurfing"

https://www.murata.com/simsurfing/

This is the latest tool to get the electrical characteristics for Capacitors, Inductors, and EMI Suppression Filters, and to simulate Thermistors' behavior!







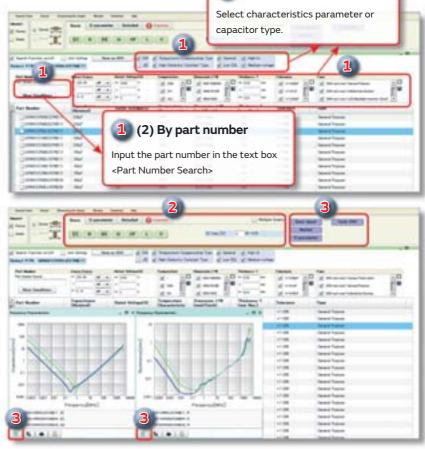
- (1) By performance/type
- (2) By part number

2 Show graph

Click each button on each tab of [Basic], [S-parameter] and [Detailed].

3 Data download

- Click each purple button in this area.
- Click "CSV output" button.



(1) By performance/type

https://www.murata.com/simsurfing/

^{*} Images are as of October 2015. Be assured that this software will be updated frequently.

■ Web page Introduction

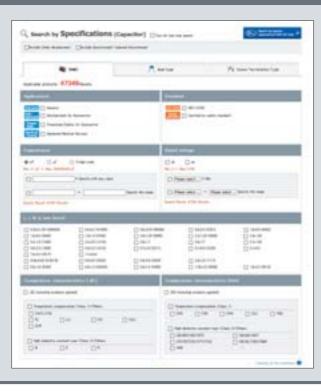


Search by Part Number http://psearch.en.murata.com/capacitor/partnumber/



You can search for capacitors by specifying the alphanumeric characters in the part number. The packing codes shown contain the substitute character "#". If you enter the official packing code, part numbers that contain that packing code will be matched.

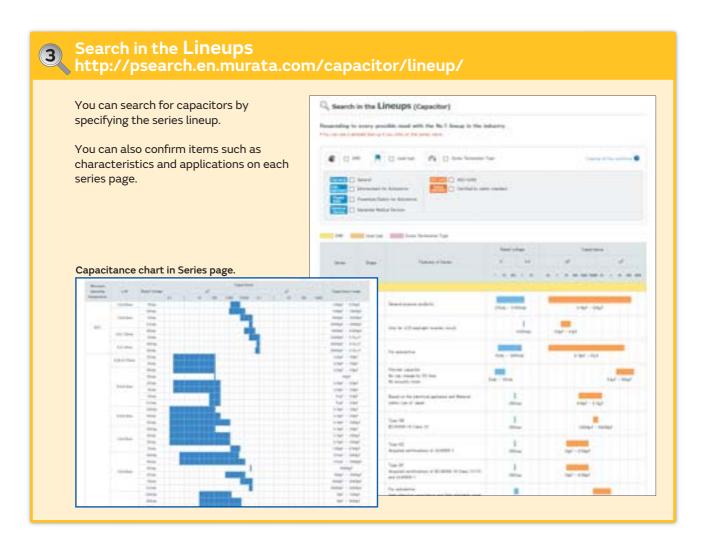
Search by Specifications http://psearch.en.murata.com/capacitor/spec/smd/



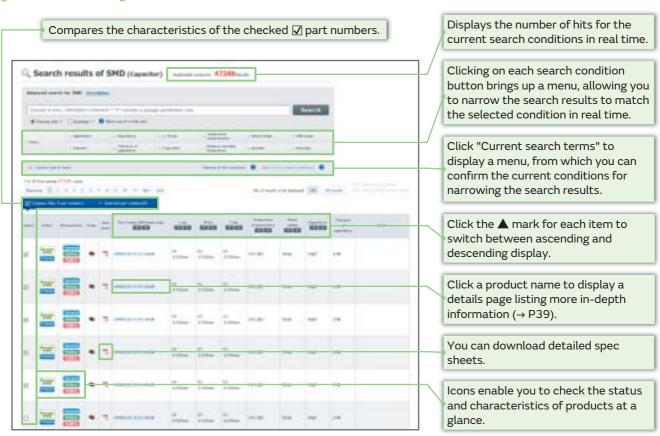
You can search for SMD, lead type, or screw termination type capacitors by indicating specifications such as application, capacitance, rated voltage, or temperature characteristics.

You can narrow your search by entering values of ranges, and by specifying product characteristics.

The items for narrowing searches are linked, so specifying one condition causes selectable options for the other items to allow input only of conditions that match the relevant part numbers.



[Search result]



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 - 8 Disaster prevention / crime prevention equipment
 - Data-processing equipment
 - Application of similar complexity and/or reliability requirements to the applications listed above

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NIN-FC2R7JTRF NMC0201X5R474K4TRPF NMC0402NPO220J50TRPF NMC0402X5R105K6.3TRPF NMC0402X5R224K6.3TRPF

NMC0402X7R103J25TRPF NMC0402X7R153K16TRPF NMC0603NPO1R8C50TRPF NMC0603NPO20J50TRPF

NMC0603NPO330G50TRPF NMC0603X5R475M6.3TRPF NMC0805NPO270J50TRPF NMC0805NPO820J50TRPF

NMC0805X7R224K16TRPLPF NMC0805X7R224K25TRPF NMC1206X7R102K50TRPF NMC1206X7R106K10TRPLPF

NMC1206X7R475K10TRPLPF NMC-H0805X7R472K250TRPF NMC-L0402NPO7R0C50TRPF NMC-L0603NPO2R2B50TRPF NMC-Q0402NPO8R2D200TRPF C1206C101J1GAC C1608C0G2A221J C1608X7R1E334K C2012C0G2A472J 2220J2K00562KXT

1812J2K00332KXT CDR31BX103AKWR CDR33BX104AKUR CDR33BX683AKUS CGA2B2C0G1H010C CGA2B2C0G1H040C CGA2B2C0G1H050C CGA2B2C0G1H060D CGA2B2C0G1H070D CGA2B2C0G1H120J CGA2B2C0G1H151J CGA2B2C0G1H39JJ CGA2B2C0G1H39JJ CGA2B2C0G1H39JJ CGA2B2C0G1H39JJ CGA2B2C0G1H39JJ CGA2B2C0G1H3PJJ