

Chip Type 105°C Capacitors (height:5.5mm) Series RVS

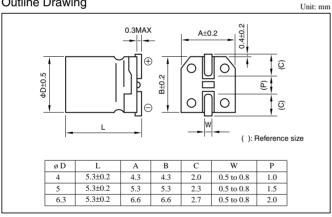
- Compatible with surface mounting for 5.5mm high capacitors.
- Supplied with carrier taping.
- Guarantees 1000 hours at 105°C.



Specifications

Item	Performance													
Category temperature range (°C)				-55 to +105										
Tolerance at rated capacitance (%)				±20				(20°C,	,120Hz)					
Leakage current (µA)	I	Less than 0.01CV or 3 whichever is larger(after 2 minutes) C: Rated capacitance(µF); V: Rated voltage(V)												
Tangent of loss angle	Rated vol	tage (V)	6.3	10	16	25	35	50	7					
	tanô (i	nax.)	0.30	0.26	0.22	0.16	0.13	0.12	1					
(tanδ)								(20°C,	,120Hz)					
	Rated vol	tage (V)	6.3	10	16	25	35	50	7					
Characteristics at high	Impedance ratio (max.)	Z-25°C / Z+20°C	4	3	2	2	2	2	7					
and low temperature	impedance ratio (max.)	Z-40°C / Z+20°C	8	5	4	3	3	3]					
								((120Hz)					
	Test	time	1000 hours											
Endurance (105°C)	Leakage	current	The initial specified value or less											
(Applied ripple current)	Percentage of cap	acitance change	Within ±20% of initial value											
	Tangent of the loss angle 200% or less of the initial specified value													
Shelf life (105°C)	Test time: 1000 hours; other items are the same as those for the endurance. Voltage application treatment: According to JIS C5101-1													
Applicable standards	JIS C5101-1, -18 1998 (IEC 60384-1 1992, -18 1993)													

Outline Drawing



[•] Soldering conditions and land size are described on page 14. The taping spesifications are described on page 15.

Coefficient of Frequency for Rated Ripple Current

Frequency(Hz) Rated voltage(V)	50 · 60	120	1k	10k · 100k
6.3 to 16	0.80	1	1.15	1.25
25 to 35	0.80	1	1.25	1.40
50	0.80	1	1.35	1.50

Part numbering system (example: 16V47µF)												
Environmental item	RVS —		- 16 Rated voltage symbol		470 Rated capacitance symbol	M Capacitance tolerance symbol	Additional symbol	.U —	Taping symbol			
Former item	RVS Series code	_	16 Rated voltage symbol	٧	470 Rated capacitance symbol	M Capacitance tolerance symbol	Additional symbol	. –	Taping symbol			

Standard Ratings

Otanaara ria	ungo																	
Rated voltage(V)	ated voltage(V) 6.3			10			16			25			35			50		
Rated Item	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current	Case	ESR	Rated ripple current
	ø D(mm)	Ω	mArms	ø D(mm)	Ω	mArms	ø D(mm)	Ω	mArms	ø D(mm)	Ω	mArms	ø D(mm)	Ω	mArms	ø D(mm)	Ω	mArms
0.1	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	4	1190	2
0.22	-	_	-	_	_	_	_	_	_	_	_	_	_	_	_	4	905	3
0.33	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	4	603	4
0.47	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	4	424	5
1	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	4	199	7
2.2	_	_	_	_	_		_	_	_	_	_	_	_	_	_	4	91	10
3.3	_	_	-	_	_	_	_	_	_	_	_	_	_	_	_	4	60	12
4.7	_	_	_	_	_	_	_	_	_	4	57	12	4	46	14	5	42	17
10	_	_		4	43	15	4	36	16	5	27	21	5	22	23	6.3	20	26
22	4	23	21	5	20	25	5	17	28	6.3	12	36	6.3	10	50	_	_	_
33	5	15	30	5	13	31	6.3	11	40	6.3	8.0	44	_	_	_	_	_	_
47	5	11	36	6.3	9.2	43	6.3	7.8	47	_	_	_	_	_	_	_	_	_
100	6.3	5.0	61	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

(Note) Rated ripple current : 105°C, 120Hz ; ESR : 20°C, 120Hz

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