SURFACE MOUNT MLCCs 10 - 200 VDC

	age								Av	'All	LAI	BLI	E (CA	PA	СП	AN	ICE	E (Co	DE									
JDI	Inches	(mm)	Voltage	0R5	XRX	100	120	150	180	220	270	330	390	470	560	680	820	101	121	151	181	221	271	331	391	471	561	681	821	102
R05	0201	(0603)																												
	L .024 ±.001 W .012 ±.001	(0.60 ±.03) (0.30 ±.03)	25V																											
-	T .012 ±.001	(0.30 ±.03)	16V	<u> </u>																										
	EB .006 ±.002	(0.15±.05)	10V																											
R07	0402 L .040 ±.004	(1005)	50V																											
	W .020 ±.004	(1.02 ±.10) (0.51 ±.10)	25V																											
-	T .025 Max. EB .008 ±.004	(0.64) (0.20±.10)	16V	-																								$\mid \mid \mid$		_
			10V																											
R14	0603 L .063 ±.008	(1608) (1.60 ±.20)	200V 100V																											
	W .032 ±.008	(0.81 ±.20)	50V	-					_										_											
-	T .035 Max. EB .010±.005	(0.89) (.25±.13)	25V																											
		()	16V	-					_										_											_
R15	0805	(2012)	200V																											
	L .080 ±.010	(2012) (2.03 ±.25)	100V																											
	W .050 ±.010	(1.27 ±.25)	50V																											
	T .050 Max. EB .020±.010	(1.27) (0.51±.25)	25V																											-
			16V																											
R18	1000	(2010)	200V																											
	1206 L .125 ±.010	(3216) (3.17 ±.25)	100V																											
	W .062 ±.010	(1.57 ±.25)	50V																											
	T .050 Max. EB .020 ±.010	(1.27) (0.51 ±.25)	25V																											_
S41	1210	(3224)	200V																											
	L .125 ±.010	(3.18 ±.25)	100V																				1	NPO)					
	W .095 ±.010 T .065 Max.	(2.41 ±.25) (1.65)	50V							~			\leq)	X7F	2					
	EB .020 ±.010	(0.51 ±.25)	25V						W		\times			Ľ,)	X5F	{					
			16V					Ĩſ	<					<u> </u>	\searrow	>														
S43	1812	(4532)	200V				T -	71						\geq	1	É – E	Е/В													
	L .175 ±.010 W .125 ±.010	(4.45 ±.25)	100V									Y																		
	T .085 Max.	(3.17 ±.25) (2.16)	50V										/																	
	EB .025 ±.015	(0.64 ±.38)	25V																											
				0R5	XRX	100	120	150	180	220	270	330	390	470	560	680	820	101	121	151	181	221	271	331	391	471	561	681	821	102

How To ORDER - SURFACE MOUNT MLCC

100	R 07	W	104	Κ	V	4	Ε
VOLTAGE	SERIES/SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	TERMINATION	MARKING	PACKING
100 = 10 V DC 160 = 16 V DC 250 = 25 V DC 500 = 50 V DC 101 = 100 V DC 201 = 200 V DC	R05 = 0201 R07 = 0402 R14 = 0603 R15 = 0805 R18 = 1206 S41 = 1210 S43 = 1812	N = NP0 W = X7R X = X5R	1st two digits are significant; third digit denotes number of zeros, R = decimal. SR6 = 5.6 pF 100 = 10 pF 102 = 1,000 pF 474 = 0.47 μ F	$\label{eq:states} \begin{array}{l} {}^{*}B=\pm 0.10 \ pF \\ {}^{*}C=\pm 0.25 \ pF \\ {}^{*}D=\pm 0.50 \ pF \\ F=\pm 1 \ \% \\ G=\pm 2\% \\ J=\pm 5\% \\ K=\pm 10\% \\ M=\pm 20\% \end{array}$ $\ \ \ \ \ \ \ \ \ \ \ \ \ $	V = Nickel Barrier with 100% Tin Plating (Matte) T = SnPb	3 = Special 4 = Unmarked 6 = EIA Code* *Not available on sizes ≤ 0402	E = Embossed 7" T = Punched 7" U = Embossed 13" R = Punched 13" No code = bulk Tape specifications on page 48. Not all tape styles are avail- able on all parts.



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Part number written: 100R07W104KV4E

SURFACE MOUNT MLCCs 10 - 200 VDC

									A	۱ <i>v</i> /	NL,	AB	LE	С	AP.	AC	IT/		CE	С	CO	E										age	CASE					
122	152	182	222	272	332	392	472	562	822	103	123	153	183	223	273	333	473	563	683	823	104	224	334	474	105	225	335	475	106	476	107	Voltage	Case Size					
																						1	NPO) C								25V	0201					
)	X7F	7								16V	R05					
)	X5F	7								10V						
																																50V						
																																25V	0402					
																																16V	R07					
																																10V						
																																200V						
																																100V	0603					
																																50V	R14					
																																25V	n14					
																																16V						
																																200V	_					
																																100V	0805					
																																50V	R15					
																														Hig		25V	1110					
																														Serie		16V						
																									TC	or v	aiu	es 2	≥ 1	.0µ	F	200V	1000					
																																100V	1206					
																																50V	R18					
																																25V						
							<u> </u>															_										200V						
_																																100V	1210					
_																																50V	S41					
	_						_		-												_											25V	-					
-	_																															16V						
_	_																															200V	1812					
	_																															100V 50V	S43					
-							\vdash																									25V	343					
	2	2	2	2	~	2	~	2	~	<i>с</i>	<i>с</i> о	с С	<u>ო</u>	<i>с</i>	4	4	4	4	5	5	2	5	9	9	2	201												
122	152	182	222	272	332	392	472	562	822	103	123	153	183	223	273	333	473	563	683	823	104	224	334	474	105	225	335	475	106	476	107							

ELECTRICAL CHARACTERISTICS

Please refer to page 78 of the catalog or www.johansondielectrics.com



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