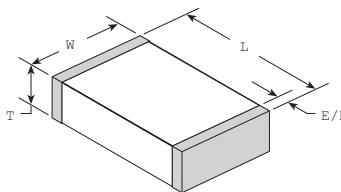


SURFACE MOUNT MLCCs 10 - 200 VDC

CASE SIZE			Voltage	AVAILABLE CAPACITANCE CODE																													
JDI	Inches	(mm)		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 T .012 ±.001 EB .006 ±.002 (0.60 ±.03) (0.30 ±.03) (0.30 ±.03) (0.15±.05)																															
			25V																														
			16V																														
			10V																														
R07	0402	(1005) L .040 ±.004 W .020 ±.004 T .025 Max. EB .008 ±.004 (1.02 ±.10) (0.51 ±.10) (0.64) (0.20±.10)																															
			50V																														
			25V																														
			16V																														
			10V																														
R14	0603	(1608) L .063 ±.008 W .032 ±.008 T .035 Max. EB .010±.005 (1.60 ±.20) (0.81 ±.20) (0.89) (.25±.13)	200V																														
			100V																														
			50V																														
			25V																														
			16V																														
R15	0805	(2012) L .080 ±.010 W .050 ±.010 T .050 Max. EB .020±.010 (2.03 ±.25) (1.27 ±.25) (1.27) (0.51±.25)	200V																														
			100V																														
			50V																														
			25V																														
			16V																														
R18	1206	(3216) L .125 ±.010 W .062 ±.010 T .050 Max. EB .020 ±.010 (3.17 ±.25) (1.57 ±.25) (1.27) (0.51 ±.25)	200V																														
			100V																														
			50V																														
			25V																														
S41	1210	(3224) L .125 ±.010 W .095 ±.010 T .065 Max. EB .020 ±.010 (3.18 ±.25) (2.41 ±.25) (1.65) (0.51 ±.25)	200V																														
			100V																														
			50V																														
			25V																														
			16V																														
S43	1812	(4532) L .175 ±.010 W .125 ±.010 T .085 Max. EB .025 ±.015 (4.45 ±.25) (3.17 ±.25) (2.16) (0.64 ±.38)	200V																														
			100V																														
			50V																														
			25V																														

</



NP0
X7R
X5R

How To ORDER - SURFACE MOUNT MLCC

Part number written: 100R07W104KV4E

100	R 07	W	104	K	V	4	E
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. 5R6 = 5.6 pF 100 = 10 pF 102 = 1,000 pF 474 = 0.47 μF	* B = ± 0.10 pF * C = ± 0.25 pF * D = ± 0.50 pF F = ± 1 % G = ± 2 % J = ± 5 % K = ± 10 % M = ± 20 % *Values < 10 pF only	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 available on all parts.

SURFACE MOUNT MLCCs 10 - 200 VDC

AVAILABLE CAPACITANCE CODE																												Voltage	CASE SIZE						
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				
																						NP0										25V	0201 R05		
																						X7R										16V			
																						X5R										10V			
																																	See Tanceram High Capacitance Series for values ≥ 1.0μF	50V	0402 R07
																																25V			
																																16V			
																																10V			
																																200V		0603 R14	
																																100V			
																																50V			
																																25V			
																																16V		0805 R15	
																																200V			
																																100V			
																																50V			
																																25V		1206 R18	
																																16V			
																																200V			
																																100V			
																																50V	1210 S41		
																																25V			
																																16V			
																																200V			
																																100V	1812 S43		
																																50V			
																																25V			

See Tanceram High Capacitance Series for values $\geq 1.0\mu\text{F}$

ELECTRICAL CHARACTERISTICS

Please refer to page 39 of the catalog or www.johansondielectrics.com



Mouser Electronics

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[101R15N3R3BV4T](#) [101R14N820JV4T](#) [500R07N120GV4T](#) [500R14N220JV4T](#) [101R15N0R5BV4T](#) [101R14N560GV4T](#)
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[101R14N150GV4T](#) [500R07N560JV4T](#) [101R14N101JV4T](#) [500R18N101KV4T](#) [101R14N4R7BV4T](#) [101R14N180GV4T](#)
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[101R14N1R8CV4T](#) [101R15N331JV4T](#) [101R15N101GV4T](#) [500R14N101GV4T](#) [500R07N2R2BV4T](#)
[201R18N220FV4T](#) [101R15N101JV4T](#) [201S41N102KF4E](#) [500R07N220JV4T](#) [500R15N100JV4T](#) [500R15N180JV4T](#)
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[101R14W391JV4T](#) [101R18N180FV4T](#) [201R18W392JV4T](#)