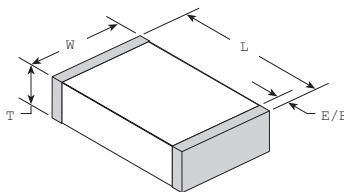


SURFACE MOUNT MLCCs 10 - 200 VDC

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																														
			25V																													
			16V																													
			10V																													
R07	0402	(1005) L .040 ±.004 W .020 ±.004 T .025 Max. EB .008 ±.004																														
			50V																													
			25V																													
			16V																													
			10V																													
R14	0603	(1608) L .063 ±.008 W .032 ±.008 T .035 Max. EB .010±.005	200V																													
			100V																													
			50V																													
			25V																													
			16V																													
R15	0805	(2012) L .080 ±.010 W .050 ±.010 T .050 Max. EB .020±.010	200V																													
			100V																													
			50V																													
			25V																													
			16V																													
R18	1206	(3216) L .125 ±.010 W .062 ±.010 T .050 Max. EB .020 ±.010	200V																													
			100V																													
			50V																													
			25V																													
S41	1210	(3224) L .125 ±.010 W .095 ±.010 T .065 Max. EB .020 ±.010	200V																													
			100V																													
			50V																													
			25V																													
			16V																													
S43	1812	(4532) L .175 ±.010 W .125 ±.010 T .085 Max. EB .025 ±.015	200V																													
			100V																													
			50V																													
			25V																													

Diagram illustrating the dimensions of a capacitor: L (Length), W (Width), T (Thickness), and E/B (End View).

NP0
X7R
X5R



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		
																																		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	
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				

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

ELECTRICAL CHARACTERISTICS

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Mouser Electronics

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[101R14N8R2BV4T](#) [101R14N3R9BV4T](#) [101R14N330GV4T](#) [250R14Y104ZV4T](#) [101R14N3R3CV4T](#)
[500R15N220JV4T](#) [101R14N100GV4T](#) [101R14N120GV4T](#) [101R15N4R7BV4T](#) [101R14N470JV4T](#) [201R15N680JV4T](#)
[101R15N821GV4T](#) [500R07N330JV4T](#) [101R14N6R8BV4T](#) [101R14N2R7CV4T](#) [101R14N220GV4T](#)
[101R15N3R3BV4T](#) [101R14N820JV4T](#) [500R07N120GV4T](#) [500R14N220JV4T](#) [101R15N0R5BV4T](#) [101R14N560GV4T](#)
[101R14N471GV4T](#) [101R15N102GV4T](#) [101R15N8R2BV4T](#) [101R14N1R2CV4T](#) [500R18N470JV4T](#)
[101R14N150GV4T](#) [500R07N560JV4T](#) [101R14N101JV4T](#) [500R18N101KV4T](#) [101R14N4R7BV4T](#) [101R14N180GV4T](#)
[101R14N470GV4T](#) [101R15N100GV4T](#) [101R15N6R8BV4T](#) [500R14N8R2BV4T](#) [500R07N270JV4T](#)
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[201R15N101JV4T](#) [101R15N470GV4T](#) [101R15N3R9BV4T](#) [500R07N100JV4T](#) [101R14N270JV4T](#) [500R14N271JV4T](#)
[500R18N8R2CV4T](#) [101R14N1R5CV4T](#) [101R15N2R7BV4T](#) [101R14N6R8CV4T](#) [101R14N5R6BV4T](#)
[101R14N1R0CV4T](#) [500R14N101JV4T](#) [500R18N1R0CV4T](#) [101R14N680JV4T](#) [101R14N4R7CV4T](#)
[101R14N1R8CV4T](#) [101R15N331JV4T](#) [101R15N101GV4T](#) [500R14N101GV4T](#) [500R07N2R2BV4T](#)
[201R18N220FV4T](#) [101R15N101JV4T](#) [201S41N102KF4E](#) [500R07N220JV4T](#) [500R15N100JV4T](#) [500R15N180JV4T](#)
[250R18N104JV4T](#) [100R05W562KV4T](#) [101R14N120KV4T](#) [101R18N1R0DV4T](#) [101R18W104JV4E](#)
[100R05W472MV4T](#) [201R15N101MV4T](#) [500R15N470KV4T](#) [500R15N220KV4T](#) [201R14W222JV4T](#)
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[500R15N1R8CV4T](#) [250R05N160JV4T](#) [201S41N102JV4E](#) [201R14N220GV4T](#) [500R07N2R7DV4T](#)
[101R14W391JV4T](#) [101R18N180FV4T](#) [201R18W392JV4T](#)