



Commercial / Auto (non-Safety) | General Applications ≤ 630V Rated Voltage

Case Size JIS (EIA)			C0G		X7R		X7S		X6S		X5R		Y5V	
			[-55/+125C, 0±30ppm/C] E12 series		[-55/+125C, ±15%] E6 series		[-55/+125C, ±22%] E6 series		[-55/+105C, ±22%] E6 series		[-55/+85C, ±15%] E6 series		[-30/+85C, ±22/-82%] E3 series	
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
C0402 (01005)	4V	0G												
	6.3V	0J												
	10V	1A			101	681					681	103		
	16V	1C	0R5	150 (101)							101	222		
	25V	1E									101	681		
	35V	1V												
C0603 (0201)	50V	1H												
	4V	0G							104		(334)	(105)		
	6.3V	0J				103					103	224 (105)		
	10V	1A			682	103					682	224		
	16V	1C			101	332					222	224		103
	25V	1E	0R5	101	101	332					101	332		
C1005 (0402)	35V	1V												
	50V	1H												
	100V	2A												
	250V	2E												
	450V	2W												
	630V	2J												
C1608 (0603)	4V	0G							475	106		106 (226)		
	6.3V	0J			155	225						106 (226)	475	106
	10V	1A			224	225				475	225	106	475	225
	16V	1C			223	105					224	475	104	225
	25V	1E	392	103	103	105					154	225	104	105
	35V	1V			(154)	(105)					(154)	(225)		
C2012 (0805)	50V	1H	0R5	103 (333)	101	474					104	105	104	474
	100V	2A	101	122	102	223	333	104						
	250V	2E	101	681										
	450V	2W												
	630V	2J												
	4V	0G					(226)							
C3216 (1206)	6.3V	0J			685	106			106	476		476		
	10V	1A			105	106			106	226		476		226
	16V	1C			224	475				226		476	475	106
	25V	1E	392	333	104	475					105	226	105	106
	35V	1V			(474)	(475)					105	106	105	475
	50V	1H	100	333 (104)	102	225					(155)	(106)	475	225
C3225 (1210)	100V	2A	101	472	102	104	154	105						
	250V	2E	101	272	102	223								
	450V	2W												
	630V	2J												
	4V	0G					(226)	(476)		107				476
	6.3V	0J					(226)	(476)		476				226
C3225 (1210)	10V	1A								476				226
	16V	1C			474	106					106	107	106	475
	25V	1E	822	104 (334)	224	106					225	476	475	106
	35V	1V			(155)	(106)					225	226	475	106
	50V	1H	392	104	104	335					(335)	(226)	225	475
	100V	2A	392	103	333	105	155	225			335	106		
C4532 (1812)	250V	2E	332	822	153	104								
	450V	2W												
	630V	2J	101	332	102	333								
	4V	0G												
	6.3V	0J							476	107				107
	10V	1A				226				107				476
C5750 (2220)	16V	1C			106	336					226	107		107
	25V	1E			475	226					106	226		476
	35V	1V												226
	50V	1H	473	224 (225)	105	685								106
	100V	2A	473	104	684	225	335	475						
	250V	2E	223	473	154	474								
C5750 (2220)	450V	2W												
	630V	2J	822	223	683	104								
	4V	0G												
	6.3V	0J												
	10V	1A												
	16V	1C			226	476					686	107		107
C5750 (2220)	25V	1E			106	226					336	476		107
	35V	1V										226		476
	50V	1H												
	100V	2A			475	106								
	250V	2E			105	475	685	156						
	450V	2W			334	105								
C5750 (2220)	630V	2J			154	224								
	4V	0G												
	6.3V	0J												
	10V	1A												
	16V	1C												
	25V	1E												

Notes:

() = capacitance value under development

• Capacitance above is provided in a three digit code, designating a picofarad (pF) value. The first and second digits identify the first and second significant figures of the capacitance, the third identifies the multiplier. R indicates a decimal point (Ex. 104 = 100,000pF, or 0.1μF; 1R8 = 1.8pF). Capacitance steps are offered in the E-series listed in the header. Red values indicates new TDK items.

• TDK offers General Application MLCCs as well as Specialty Applications MLCCs. The capacitance range for General Application MLCCs can be found here, Specialty Application MLCCs can be found in the TDK MLCC Product Guide. You may also find the cap ranges located within our catalog and website (www.tdk.com).

• This data subject to change without notice, please contact your TDK sales representative for most current revision. This datasheet is intended for customer use only - do not distribute outside of your organization.



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