

TDK MLCC Capacitance Offering

Rev. C10

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												
	16V	1C	0R5	150 (101)	101	681					681	103		
	25V	1E												
	35V	1V												
C0603 (0201)	4V	0G												
	6.3V	0J							104	(334)	(105)			
	10V	1A												
	16V	1C			682	103					682	224		
	25V	1E	0R5	101	101	332					222	224		103
	35V	1V			101	332					101	332		
C1005 (0402)	4V	0G												
	6.3V	0J												
	10V	1A			473	224								
	16V	1C			103	224								
	25V	1E	561	102	102	104					103	224	104	224
	35V	1V			(103)	(104)					(103)	(104)		224
	50V	1H	0R5	102 (332)	221	104					221	104		103
	100V	2A					102	103						
	250V	2E												
	450V	2W												
C1608 (0603)	4V	0G												
	6.3V	0J												
	10V	1A			155	225								
	16V	1C			224	225								
	25V	1E	392	103	223	105					224	475	104	225
	35V	1V			103	105					154	225	104	105
	50V	1H	0R5	103 (333)	(154)	(105)					(154)	(225)		
	100V	2A	101	122	101	474					104	105	104	474
	250V	2E	101	681	102	223	333	104						
	450V	2W												
C2012 (0805)	4V	0G												
	6.3V	0J												
	10V	1A			685	106								
	16V	1C			105	106								
	25V	1E	392	333	224	475					105	226	105	106
	35V	1V			104	475					105	106	105	475
	50V	1H	100	333 (104)	(474)	(475)					(155)	(106)		
	100V	2A	101	472	102	225							104	225
	250V	2E	101	272	102	223	154	105						
	450V	2W												
C3216 (1206)	4V	0G												
	6.3V	0J												
	10V	1A												
	16V	1C												
	25V	1E	822	104 (334)	474	106					106	107	106	226
	35V	1V			224	106					225	476	475	226
	50V	1H	392	104	(155)	(106)					225	226	475	106
	100V	2A	392	103	104	335					(335)	(226)		
	250V	2E	332	822	153	104	155	225			335	106	225	475
	450V	2W												
C3225 (1210)	4V	0G												
	6.3V	0J												
	10V	1A												
	16V	1C												
	25V	1E												
	35V	1V												
	50V	1H	223	104	106	226					106	476	226	476
	100V	2A	153	473	225	226					106	476	106	476
	250V	2E	103	153	106	106					106	106	106	226
	450V	2W												
C4532 (1812)	4V	0G												
	6.3V	0J												
	10V	1A												
	16V	1C												
	25V	1E												
	35V	1V												
	50V	1H	473	224 (225)	475	685					476	107		
	100V	2A	473	104	475	684					226	336		107
	250V	2E	223	473	154	474					106	226		476
	450V	2W												
C5750 (2220)	4V	0G												
	6.3V	0J												
	10V	1A												
	16V	1C												
	25V	1E												
	35V	1V												
	50V	1H												
	100V	2A												
	250V	2E												
	450V	2W												

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 0.1uF ; 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.