

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