

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							475	106		106 (226)		
	6.3V	0J			155	225						106 (226)	475	106
	10V	1A			224	225				475		224	106	225
	16V	1C			223	105						224	475	104
	25V	1E	392	103	103	105						154	225	104
	35V	1V			(154)	(105)						(154)	(225)	
	50V	1H	0R5	103 (333)	101	474						104	105	474
	100V	2A	101	122	102	223	333	104						
	250V	2E	101	681										
	450V	2W												
C2012 (0805)	4V	0G						(226)						
	6.3V	0J			685	106				476		476		
	10V	1A			105	106			106	226		476		226
	16V	1C			224	475			106	226		105	226	106
	25V	1E	392	333	104	475					105	106	105	106
	35V	1V			(474)	(475)					(155)	(106)		475
	50V	1H	100	333 (104)	102	225						475	104	225
	100V	2A	101	472	102	104	154	105						
	250V	2E	101	272	102	223								
	450V	2W												
C3216 (1206)	4V	0G												
	6.3V	0J						(226)		107				476
	10V	1A								476		106	107	476
	16V	1C			474	106						225	476	106
	25V	1E	822	104 (334)	224	106						225	476	475
	35V	1V			(155)	(106)						(335)	(226)	475
	50V	1H	392	104	104	335						335	106	225
	100V	2A	392	103	333	105	155	225						
	250V	2E	332	822	153	104								
	450V	2W												
C3225 (1210)	4V	0G												
	6.3V	0J							476	107				107
	10V	1A				226				107				476
	16V	1C			106	226						106	476	476
	25V	1E		(105)	225	106						106	226	226
	35V	1V										106 (226)		106
	50V	1H	223	104	474	475	475	106			475		475	106
	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			106	336						476	107	107
	25V	1E			475	226						226	336	476
	35V	1V										106	226	226
	50V	1H	473	224 (225)	105	685								
	100V	2A	473	104	684	225	335	475						106
	250V	2E	223	473	154	474								
	450V	2W												
C5750 (2220)	4V	0G												
	6.3V	0J												
	10V	1A												
	16V	1C			226	476					686	107		107
	25V	1E			106	226					336	476		107
	35V	1V										226		476
	50V	1H			475	106								
	100V	2A			105	475	685	156				106		226
	250V	2E			334	105								
	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.