



TDK MLCC Datasheet 1

TDK P/N **C0603** **X7R** **1C** **102** **K** **T** **XXXX**

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No.	Segment	Detail	Comments
1	Case Size	0.6 X 0.3 mm	See below for dimensions.
2	Temperature Characteristics	-55 to +125 C, ± 15 to ± 10 %	Class2 Conforms to EIA 198
3	Rated Voltage	16.0 V	DC
4	Capacitance	1,000 pF	1.0 +/- 0.2 Vrms 1 kHz +/- 10%
5	Capacitance Tolerance	-10 to 10 %	Conforms to IEC 384-9
6	Packaging Style	Punched (Paper)Taping [180mm Reel]	EIA 481 Format
7	TDK internal Code	XXXX	(Internal TDK use only)
-	Dissipation Factor (DF)	0 % max	1.0 +/- 0.2 Vrms 1 kHz +/- 10%
-	Insulation Resistance	11,611 MOhm min	Apply rated voltage for 60s

Physical Dimensions		Material System			
Symbol	Dimensions	No	Name	Material	
L	0.6			Class 1	Class 2
W	0.3			TME	TME
T	0.3	1	Dielectric	CaZrO3	BaTiO3
B	0.1 min	2	Electrode	Ni	Ni
G	0.2 min	3	Termination	Cu	Cu
		4		Ni	
		5		Sn	

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