



TDK MLCC Datasheet

TDK P/N **C1608** **X7R** **1H** **151** **K** **T** **XXXX**

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No.	Segment	Detail	Comments
1	Case Size	1.6 X 0.8 mm	See below for dimensions.
2	Temperature Characteristics	-55 to +125 C & -10 to +10 %	Class2 Conforms to EIA 198
3	Rated Voltage	50 V	DC
4	Capacitance	150 pF	1.0 +/- 0.2 Vrms 1 khz +/- 10%
5	Capacitance Tolerance	-10 to 10 %	Conforms to IEC 384-9
6	Packaging Style	Tape & Reel, 8 mm	EIA 481 Format
7	TDK internal Code	XXXX	(Internal TDK use only)
-	Dissipation Factor (DF)	2.5 % max	1.0 +/- 0.2 Vrms 1 khz +/- 10%
-	Insulation Resistance	10,000 MOhm min	Apply rated voltage for 60s

Physical Dimensions		Material System			
Symbol	Dimensions	No	Name	Material	
L	1.6			Class 1	Class 2
W	0.8			TME	TME
T	0.8	1	Dielectric	CaZrO3	BaTiO3
B	0.2 min	2	Electrode	Ni	Ni
		3	Termination	Cu	Cu
		4		Ni	
		5		Sn	

1 This datasheet gives a basic overview of the multilayer ceramic capacitor as defined in the above TDK part number. A full specification (including part number construction, available capacitance ranges, packaging and caution notes) is available upon request. The information above is subject to change by TDK without any notice.



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