



TDK MLCC Datasheet

TDK P/N **C1005** **COG** **1H** **100** **D** **T** **XXXX**

1) 2) 3) 4) 5) 6) 7)

[Close Window](#) | [Print Page](#)

No.	Segment	Detail	Comments
1	Case Size	1 X 0.5 mm	See below for dimensions.
2	Temperature Characteristics	-55 to +125 C & -30 to +30 ppm/C	Class1 Conforms to EIA 198
3	Rated Voltage	50 V	DC
4	Capacitance	10 pF	1.0 +/- 0.2 Vrms 1 Mhz +/- 10%
5	Capacitance Tolerance	0 to 0 %	Conforms to IEC 384-9
6	Packaging Style	Tape & Reel, 8 mm	EIA 481 Format
7	TDK internal Code	XXXX	(Internal TDK use only)
- Q		4,200 min	1.0 +/- 0.2 Vrms 1 Mhz +/- 10%
- Insulation Resistance		10,000 MOhm min	Apply rated voltage for 60s

Physical Dimensions		Material System			
Symbol	Dimensions	No	Name	Material	
L	1			Class 1	Class 2
W	0.5			TME	TME
T	0.5	1	Dielectric	CaZrO3	BaTiO3
B	0.1 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.



Copyright(c) 1996-2007 TDK Corporation. All rights reserved.
(Processing Time: 0.0074) [Privacy Statement](#).