



## TDK MLCC Datasheet

TDK P/N **C1005** **COG** **1H** **330** **J** **T** **XXXX**

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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	33 pF	1.0 +/- 0.2 Vrms 1 Mhz +/- 10%
5	Capacitance Tolerance	-5 to 5 %	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	1,000 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.



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