



TDK MLCC Datasheet 1

TDK P/N

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No.	Segment	Detail	Comments
1	Case Size	2.0 X 1.3 mm	See below for dimensions.
2	Temperature Characteristics	0 to +0 C & -30 to +30 ppm/C	Class1 Conforms to EIA 198
3	Rated Voltage	25.0 V	DC
4	Capacitance	4,700 pF	1.0 +/- 0.2 Vrms 1 Mhz +/- 10%
5	Capacitance Tolerance	-5 to 5 %	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)
-	Q	1,000 min	0.5 - 5.0 Vrms 1 MHz +/- 10%
-	Insulation Resistance	12,196 MOhm min	Apply rated voltage for 60s

Physical Dimensions

A 3D perspective diagram of a U-shaped component. The dimensions are labeled: L (total length), W (total width), T (thickness), B (flange width), and G (gap width). The component is shown in a yellow color with grey flanges.

Symbol	Dimensions
L	2
W	1.25
T	0.6
B	0.2 min
G	0.5 min

Material System

A cross-sectional diagram of the component showing five distinct layers. The layers are numbered 1 through 5. Layer 1 is the central yellow dielectric. Layer 2 is the electrode. Layer 3 is the termination. Layer 4 is the termination. Layer 5 is the termination.

No	Name	Material	
		Class 1	Class 2
		TME	TME
1	Dielectric	CaZrO3	BaTiO3
2	Electrode	Ni	Ni
3	Termination	Cu	Cu
4		Ni	
5		Sn	

¹ This datasheet is to be used for reference purposes only and is subject to change by TDK without notice. It reflects an overview of the product characteristics/performance for the particular part number. For product specification information, please refer to TDK's general product specification. Please note that this standard part is not designed or warranted to meet any specifications of any intermediate or end user different from or in addition to the specifications set fort in TDK's general product specification. Note also that this standard part has not been specially designed or manufactured for, nor is it intended or warranted for use in , or permitted to be resold for, specialized applications such as aviation, medical, and/or governmental/military applications (collectively, "Excluded Applications").