

TDK MLCC Datasheet

C1608 $\mathbf{X}\mathbf{X}\mathbf{X}\mathbf{X}$ X7R 1E 683 Κ TDK P/N 1) 2) 3) 4) 5) 6) 7)

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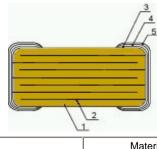
No.	Segment	Detail	Comments
1	Case Size	1.6 X 0.8 mm	See below for dimensions.
2	Temperature Characteristics	-55 to +125 C, ± 15 to +10 %	Class2 Conforms to EIA 198
3	Rated Voltage	25.0 V	DC
4	Capacitance	68,000 <i>pF</i>	1.0 +/ - 0.2 Vrms 1 kHz +/ - 10%
5	Capacitance Tolerance	- 10 to 10 %	Conforms 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	7,353 <i>MOhm</i> min	Apply rated voltage for 60s

Physical Dimensions



Symbol	Dimensions	
L	1.6	
W	0.8	
Т	0.8	
В	0.2 min	
G	0.3 min	

Material System



		Material	
No	Name	Class 1	Class 2
		TME	TME
1	Dielectric	CaZr03	BaTi03
2	Electrode	Ni	Ni
3		Cu	Cu
4	Termination	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 characteristics/performance for the particular part number. For product specification an overview of the product 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 nor is it intended or warranted for use in , or permitted to be resold for, specialized applications such manufactured for, as aviation, medical, and/or governmental/military applications (collectively, "Excluded Applications").