

TDK MLCC Datasheet 1												
	TDK P/	N C1005 X5R	11	-	221	K	Т	X	KXX			
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No	No. Segment Deta					Comments						
1	Case Size	1.0 X 0.5 mm	1.0 X 0.5 mm					See below for dimensions.				
2	Temperature Characteristi	cs -55 to +85 C, ± 15 to +	-55 to +85 C, ± 15 to +10 %				Class2 Conforms to EIA 198					
3	Rated Voltage	50.0 <i>V</i>					DC					
4	Capacitance	220 pF -10 to 10 %					1.0 +/- 0.2 Vrms 1 kHz +/- 10%					
5	Capacitance Tolerance						Conforms to IEC 384-9					
6	Packaging Style	Punched (Paper)Taping	Punched (Paper)Taping [180mm Reel]					EIA 481 Format				
7	TDK internal Code	XXXX	XXXX					(Internal TDK use only)				
-	Dissipation Factor (DF)	2.5 % max					1.0 +/- 0.2 Vrms 1 khz +/- 10%					
-	Insulation Resistance	10,129 <i>MOhm</i> min					Apply rated voltage for 60s					
Physical Dimensions					Material System							
	Symbol	Dimensions							Material			
	L	1		No		Name		┝	Class 1 TME	Class 2 TME		
	w	0.5		1		Dielectri	ic	╈	CaZr03	BaTi03		
	т	0.5		2		Electrod		╈	Ni	Ni		
	В	0.1 min		3	<u> </u>				Cu	Cu		
	G		4	erminati	nination		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 las 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").



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