



TDK MLCC Datasheet 1

TDK P/N **C3216** **X5R** **1C** **336** **M** **T** **XXXX**

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

Close Window | Print Page

No.	Segment	Detail	Comments
1	Case Size	3.2 X 1.6 mm	See below for dimensions.
2	Temperature Characteristics	-55 to +85 C, ± 15 to $+20$ %	Class2 Conforms to EIA 198
3	Rated Voltage	16.0 V	DC
4	Capacitance	33,000,000 pF	1.0 \pm 0.2 Vrms 1 kHz \pm 10%
5	Capacitance Tolerance	-20 to 20 %	Conforms to IEC 384-9
6	Packaging Style	Blister (Plastic)Taping [180mm Reel]	EIA 481 Format
7	TDK internal Code	XXXX	(Internal TDK use only)
-	Dissipation Factor (DF)	0 % max	1.0 \pm 0.2 Vrms 1 kHz \pm 10%
-	Insulation Resistance	3 MOhm min	Apply rated voltage for 60s

Physical Dimensions		Material System																																					
<table border="1"> <thead> <tr> <th>Symbol</th> <th>Dimensions</th> </tr> </thead> <tbody> <tr> <td>L</td> <td>3.2</td> </tr> <tr> <td>W</td> <td>1.6</td> </tr> <tr> <td>T</td> <td>1.6</td> </tr> <tr> <td>B</td> <td>0.2 min</td> </tr> <tr> <td>G</td> <td>1 min</td> </tr> </tbody> </table>		Symbol	Dimensions	L	3.2	W	1.6	T	1.6	B	0.2 min	G	1 min	<table border="1"> <thead> <tr> <th rowspan="2">No</th> <th rowspan="2">Name</th> <th colspan="2">Material</th> </tr> <tr> <th>Class 1</th> <th>Class 2</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dielectric</td> <td>CaZr03</td> <td>BaTi03</td> </tr> <tr> <td>2</td> <td>Electrode</td> <td>Ni</td> <td>Ni</td> </tr> <tr> <td>3</td> <td rowspan="3">Termination</td> <td>Cu</td> <td>Cu</td> </tr> <tr> <td>4</td> <td>Ni</td> <td>Ni</td> </tr> <tr> <td>5</td> <td>Sn</td> <td>Sn</td> </tr> </tbody> </table>		No	Name	Material		Class 1	Class 2	1	Dielectric	CaZr03	BaTi03	2	Electrode	Ni	Ni	3	Termination	Cu	Cu	4	Ni	Ni	5	Sn	Sn
Symbol	Dimensions																																						
L	3.2																																						
W	1.6																																						
T	1.6																																						
B	0.2 min																																						
G	1 min																																						
No	Name	Material																																					
		Class 1	Class 2																																				
1	Dielectric	CaZr03	BaTi03																																				
2	Electrode	Ni	Ni																																				
3	Termination	Cu	Cu																																				
4		Ni	Ni																																				
5		Sn	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 forth 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").



© TDK U.S.A. Corporation 2011. » Privacy Statement » Careers » Site Map
TDK Logo is a trademark or registered trademark of TDK Corporation.