

Ceramic Capacitors

Fixed Ceramic Capacitors

Part Number : **C1608X5R1A225M/0.50**

Product Name :

Multilayer Ceramic Chip Capacitors - General Purpose

 [View Datasheet](#)

TDK Series Name : **C Series**

Application :

Electronics equipment, automation equipment, measurement equipment, Charge pump, etc. **Mobile communications equipment, Automotive electronics, Hybrid ICs, etc.** **Office Test and Decoupling, Smoothing,**

Function :

It has no polarity. High reliability is guaranteed. It can be adapted for various circuit such as transmission, amplification and feed through.

Description :

Small Size High Capacitance Multilayer Ceramic Chip Capacitor. It has no polarity. High reliability is guaranteed.

[Submit Sample Request](#)

[Check Distributor Inventory](#)

[Print Page](#)



Additional Search Tools:

Application	Catalog	SEAT	CCV	TVCL	Tech Notes
Property Name		Property Description			
Product Lifecycle Stage		Production			
Part Number Replacement		<i>No Data Available.</i>			
Lead (Pb) Free		Yes			
Surface Mount		Yes			
EIA Size Code		0603			
Size Code		1608			
Body Length (L)		Min 1.5 mm			
Body Length (L)		Nom 1.6 mm			
Body Length (L)		Max 1.7 mm			
Body Breadth (W)		Min 0.7 mm			
Body Breadth (W)		Nom 0.8 mm			
Body Breadth (W)		Max 0.95 mm			
Body Height (T)		Min 0.45 mm			
Body Height (T)		Nom 0.5 mm			
Body Height (T)		Max 0.55 mm			
Terminal Width (B)		Min 0.2 mm			
Terminal Spacing (G)		Min 0.3 mm			
Temperature Characteristics		X5R			
Temperature Characteristic		Min -15 %			
		Max 15 %			
Category Temperature Range		Min -55 C			
		Max 85 C			
Rated Voltage Code		1A			
Rated Voltage		Max 10 V			
Rated Voltage Classification		DC			
Withstanding Voltage		Nom 25 V			
Withstanding Voltage Class		DC			
Rated Capacitance		Nom 2200000 pF			
Capacitance Tolerance Code		M			
Capacitance Tolerance (Value)		Min <i>No Data Available.</i>			
		Max <i>No Data Available.</i>			
Capacitance Tolerance (%)		Min -20 %			
		Max 20 %			
Q		<i>No Data Available.</i>			
Measurement Frequency of Q		Nom <i>No Data Available.</i>			
Insulation Resistance		Min 45 MOhm			
Dissipation Factor		Max <i>No Data Available.</i>			
Frequency of Dissipation Factor		Nom 1 kHz			
Soldering Method		Flow, Reflow, Manual			
Storage Temperature Range		Min 5 Cel			
		Max 40 Cel			
Packing		Punched (Paper)Taping [180mm Reel]			
Minimum Package Qty		Nom 4000 Pcs			
Minimum Order Qty		Nom 4000 Pcs			
Return Status		STD			
<p>Disclaimer: This information 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").</p>					