

Ceramic Capacitors

Fixed Ceramic Capacitors

Part Number : **C1608X5R1A475K/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, Decoupling, Smoothing,** **Office Test and**

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.

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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 4700000 pF
Capacitance Tolerance Code	K
Capacitance Tolerance (Value)	Min <i>No Data Available.</i> Max <i>No Data Available.</i>
Capacitance Tolerance (%)	Min -10 % Max 10 %
Q	Min <i>No Data Available.</i>
Measurement Frequency of Q	Nom <i>No Data Available.</i>
Insulation Resistance	Min 21 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

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").