

Ceramic Capacitors

Fixed Ceramic Capacitors

Part Number :**C0603C0G1E0R7BTQ**

Product Name :**Multilayer Ceramic Chip Capacitors - High Q Factor**

View Datasheet

TDK Series Name :**C Series**

Application :
High - frequency applications, PA modules, Cellular communication, Bluetooth, Cable/satellite TV, GPS/satellite radio, Filter networks/matching networks, RF amplifiers/Low noise amplifiers, VCOs, TCXOs, DC blocking circuits, etc.

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

Description :
Higher Q Factor Multilayer Ceramic Chip Capacitor. It has no polarity. High reliability is guaranteed.

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Application

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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	0201
Size Code	0603
Body Length (L)	Min 0.57 mm
Body Length (L)	Nom 0.6 mm
Body Length (L)	Max 0.63 mm
Body Breadth (W)	Min 0.27 mm
Body Breadth (W)	Nom 0.3 mm
Body Breadth (W)	Max 0.33 mm
Body Height (T)	Min 0.27 mm
Body Height (T)	Nom 0.3 mm
Body Height (T)	Max 0.33 mm
Terminal Width (B)	Min 0.1 mm
Terminal Spacing (G)	Min 0.2 mm
Temperature Characteristics	C0G
Temperature Coefficient	Min -30 ppm/C Max 30 ppm/C
Category Temperature Range	Min <i>No Data Available.</i> Max <i>No Data Available.</i>
Rated Voltage Code	1E
Rated Voltage	Max 25 V
Rated Voltage Classification	DC
Withstanding Voltage	Nom 75 V
Withstanding Voltage Class	DC
Rated Capacitance	Nom 0.7 pF
Capacitance Tolerance Code	B
Capacitance Tolerance (Value)	Min 0.6 pF Max 0.8 pF
Capacitance Tolerance (%)	Min <i>No Data Available.</i> Max <i>No Data Available.</i>
Q	Min 414
Measurement Frequency of Q	Nom 1 MHz
Insulation Resistance	Min 12925 MOhm
Dissipation Factor	Max <i>No Data Available.</i>
Frequency of Dissipation Factor	Nom <i>No Data Available.</i>
Soldering Method	Reflow, Manual
Storage Temperature Range	Min 5 Cel Max 40 Cel
Packing	Punched (Paper)Taping [180mm Reel]
Minimum Package Qty	Nom 15000 Pcs
Minimum Order Qty	Nom 15000 Pcs
Return Status	NCNR
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 fort 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").	

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