


Application	Catalog	SEAT	CCV	TVCL	Tech Notes
Ceramic Capacitors					
Fixed Ceramic Capacitors					
Part Number : C2012X7R1C105K/0.85					
Product Name :					
Multilayer Ceramic Chip Capacitors - General Purpose					
View Datasheet					
TDK Series Name : C Series					
Application :					
Electronics equipment, Mobile communications equipment, Office automation equipment, Automotive electronics, Test and measurement equipment, Hybrid ICs, Decoupling, Smoothing, Charge pump, 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 :					
Small Size High Capacitance Multilayer Ceramic Chip Capacitor. It has no polarity. High reliability is guaranteed.					
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Additional Search Tools:					
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					
0805					
Size Code					
2012					
Body Length (L)					
Min 1.8 mm					
Body Length (L)					
Nom 2 mm					
Body Length (L)					
Max 2.2 mm					
Body Breadth (W)					
Min 1.05 mm					
Body Breadth (W)					
Nom 1.25 mm					
Body Breadth (W)					
Max 1.45 mm					
Body Height (T)					
Min 0.7 mm					
Body Height (T)					
Nom 0.85 mm					
Body Height (T)					
Max 1 mm					
Terminal Width (B)					
Min 0.2 mm					
Terminal Spacing (G)					
Min 0.5 mm					
Temperature Characteristics					
X7R					
Temperature Characteristic					
Min -15 %					
Max 15 %					
Category Temperature Range					
Min -55 C					
Max 125 C					
Rated Voltage Code					
1C					
Rated Voltage					
Max 16 V					
Rated Voltage Classification					
DC					
Withstanding Voltage					
Nom 40 V					
Withstanding Voltage Class					
DC					
Rated Capacitance					
Nom 1000000 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 100 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").					