


Application	Catalog	SEAT	CCV	TVCL	Tech Notes
<b>Ceramic Capacitors</b>					
<b>Fixed Ceramic Capacitors</b>					
Part Number : <b>C2012X7R1E104K1.25</b>					
Product Name :					
<b>Multilayer Ceramic Chip Capacitors - General Purpose</b>					
<a href="#">View Datasheet</a>					
TDK Series Name : <b>C Series</b>					
Application :					
<b>Electronics equipment, Mobile communications equipment, Office automation equipment, Automotive electronics, Test and measurement equipment, Hybrid ICs, Decoupling, Smoothing, Charge pump, etc.</b>					
Function :					
<b>It has no polarity. High reliability is guaranteed. It can be adapted for various circuit such as transmission, amplification and feed through.</b>					
Description :					
<b>Small Size General Capacitance Multilayer Ceramic Chip Capacitor. It has no polarity. High reliability is guaranteed.</b>					
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<b>Property Name</b>					
<b>Property Description</b>					
Product Lifecycle Stage					
<b>Production</b>					
Part Number Replacement					
<i>No Data Available.</i>					
Lead (Pb) Free					
<b>Yes</b>					
Surface Mount					
<b>Yes</b>					
EIA Size Code					
<b>0805</b>					
Size Code					
<b>2012</b>					
Body Length (L)					
Min <b>1.8</b> mm					
Body Length (L)					
Nom <b>2</b> mm					
Body Length (L)					
Max <b>2.2</b> mm					
Body Breadth (W)					
Min <b>1.05</b> mm					
Body Breadth (W)					
Nom <b>1.25</b> mm					
Body Breadth (W)					
Max <b>1.45</b> mm					
Body Height (T)					
Min <b>1.05</b> mm					
Body Height (T)					
Nom <b>1.25</b> mm					
Body Height (T)					
Max <b>1.45</b> mm					
Terminal Width (B)					
Min <b>0.2</b> mm					
Terminal Spacing (G)					
Min <b>0.5</b> mm					
Temperature Characteristics					
<b>X7R</b>					
Temperature Characteristic					
Min <b>-15</b> %					
Max <b>15</b> %					
Category Temperature Range					
Min <b>-55</b> C					
Max <b>125</b> C					
Rated Voltage Code					
<b>1E</b>					
Rated Voltage					
Max <b>25</b> V					
Rated Voltage Classification					
<b>DC</b>					
Withstanding Voltage					
Nom <b>62.5</b> V					
Withstanding Voltage Class					
<b>DC</b>					
Rated Capacitance					
Nom <b>100000</b> pF					
Capacitance Tolerance Code					
<b>K</b>					
Capacitance Tolerance (Value)					
Min <i>No Data Available.</i>					
Max <i>No Data Available.</i>					
Capacitance Tolerance (%)					
Min <b>-10</b> %					
Max <b>10</b> %					
Q					
Min <i>No Data Available.</i>					
Measurement Frequency of Q					
Nom <i>No Data Available.</i>					
Insulation Resistance					
Min <b>5000</b> MOhm					
Dissipation Factor					
Max <i>No Data Available.</i>					
Frequency of Dissipation Factor					
Nom <b>1</b> kHz					
Soldering Method					
<b>Flow, Reflow, Manual</b>					
Storage Temperature Range					
Min <b>5</b> Cel					
Max <b>40</b> Cel					
Packing					
<b>Blister (Plastic)Taping [180mm Reel]</b>					
Minimum Package Qty					
Nom <b>2000</b> Pcs					
Minimum Order Qty					
Nom <b>2000</b> Pcs					
Return Status					
<b>STD</b>					
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").					