TDK Corporation of America

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Ceramic Capacitors

Fixed Ceramic Capacitors

Part Number : **C3225X7R1H105M/2.00**

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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Property Name	Property Description
Product Lifecycle Stage	**Production**
Part Number Replacement	*No Data Available.*
Lead (Pb) Free	**Yes**
Surface Mount	**Yes**
EIA Size Code	**1210**
Size Code	**3225**
Body Length (L)	Min **3** mm
Body Length (L)	Nom **3.2** mm
Body Length (L)	Max **3.4** mm
Body Breadth (W)	Min **2.2** mm
Body Breadth (W)	Nom **2.5** mm
Body Breadth (W)	Max **2.8** mm
Body Height (T)	Min **1.8** mm
Body Height (T)	Nom **2** mm
Body Height (T)	Max **2.2** mm
Terminal Width (B)	Min **0.2** mm
Terminal Spacing (G)	Min **1** mm
Temperature Characteristics	**X7R**

Temperature Characteristic	Min **-15** %
	Max **15** %
Category Temperature Range	Min **-55** C
	Max **125** C
Rated Voltage Code	**1H**
Rated Voltage	Max **50** V
Rated Voltage Classification	**DC**
Withstanding Voltage	Nom **125** V
Withstanding Voltage Class	**DC**
Rated Capacitance	Nom **1000000** pF
Capacitance Tolerance Code	**M**
Capacitance Tolerance (Value)	Min *No Data Available.*
	Max *No Data Available.*
Capacitance Tolerance (%)	Min **-20** %
	Max **20** %
Q	Min *No Data Available.*
Measurement Frequency of Q	Nom *No Data Available.*
Insulation Resistance	Min **500** MOhm
Dissipation Factor	Max *No Data Available.*
Frequency of Dissipation Factor	Nom **1** kHz
Soldering Method	**Reflow, Manual**
Storage Temperature Range	Min **5** Cel
	Max **40** Cel
Packing	**Blister (Plastic)Taping [180mm Reel]**
Minimum Package Qty	Nom **1000** Pcs
Minimum Order Qty	Nom **1000** 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 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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