

## Multilayer Ceramic Chip Capacitors

Product Top Page

Search by Part No.

Search by Characteristics

Cross Reference

Catalog

Tech Note

Technical Support Tool

FAQ

C3225X5R1C106K200AA



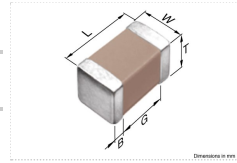
**TDK item description** ? C3225X5R1C106KT\*\*\*\*

**Applications** Commercial Grade

**Feature** **General** General (Up to 50V)

**Series** C3225 [EIA 1210]

**Status** Production (Not Recommended for New Design)



Images are for reference only and show exemplary products.

PDF file of this page

Buy Now

Contact

### Documents

- Catalog
- Specification
- RoHS Certificate
- SVHC/REACH Certificate
- Characterization Sheet
- Promotion Video
- Sample Kits

### Technical Support Tools

- S-parameter
- SPICE Netlist (Simple)
- SPICE Netlist (Precision)
- Equivalent Circuit Model
- DC Bias/Superimposition Model (HSPICE)

### Pages related to the series to which this product belongs

- Description of icons | Environment

### Size

|                               |                  |
|-------------------------------|------------------|
| Length(L)                     | 3.20mm ±0.40mm   |
| Width(W)                      | 2.50mm ±0.30mm   |
| Thickness(T)                  | 2.00mm ±0.20mm   |
| Terminal Width(B)             | 0.20mm Min.      |
| Terminal Spacing(G)           |                  |
| Recommended Land Pattern (PA) | 2.00mm to 2.40mm |
| Recommended Land Pattern (PB) | 1.00mm to 1.20mm |
| Recommended Land Pattern (PC) | 1.90mm to 2.50mm |

### Electrical Characteristics

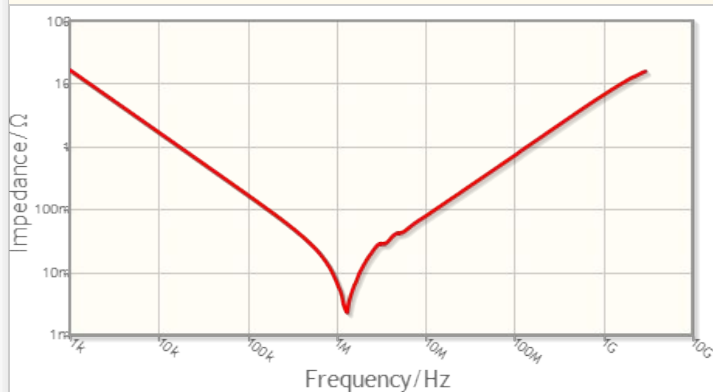
|                              |           |
|------------------------------|-----------|
| Capacitance                  | 10μF ±10% |
| Rated Voltage                | 16VDC     |
| Temperature Characteristic ? | X5R(±15%) |
| Dissipation Factor (Max.)    | 7.5%      |
| Insulation Resistance (Min.) | 10MΩ      |

### Other

|                  |                                      |
|------------------|--------------------------------------|
| Soldering Method | Reflow                               |
| AEC-Q200         | No                                   |
| Packing          | Blister (Plastic)Taping [180mm Reel] |
| Package Quantity | 1000pcs                              |

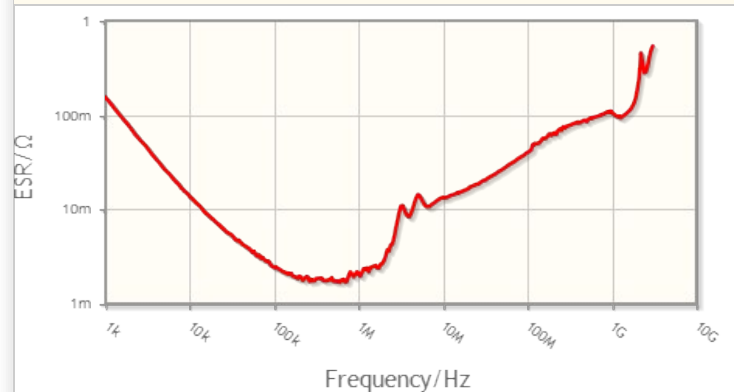
## Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)

### Impedance



C3225X5R1C106K200AA

### ESR

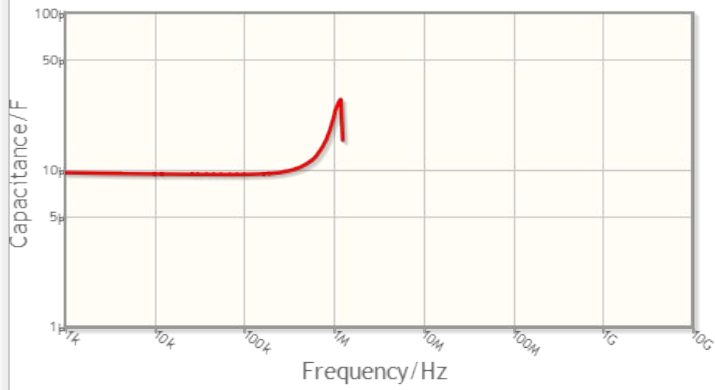


C3225X5R1C106K200AA

Change settings

Change settings

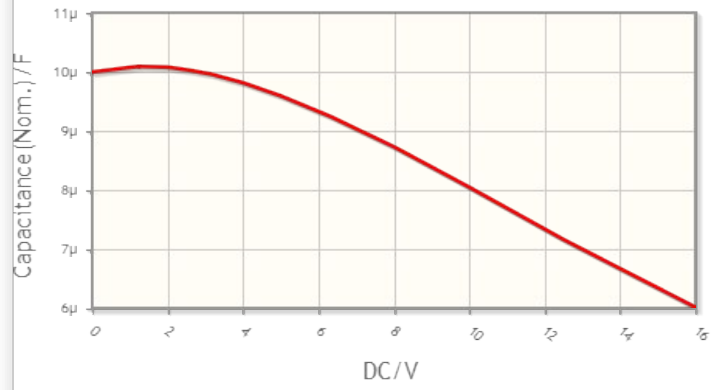
### Capacitance



C3225X5R1C106K200AA

Change settings

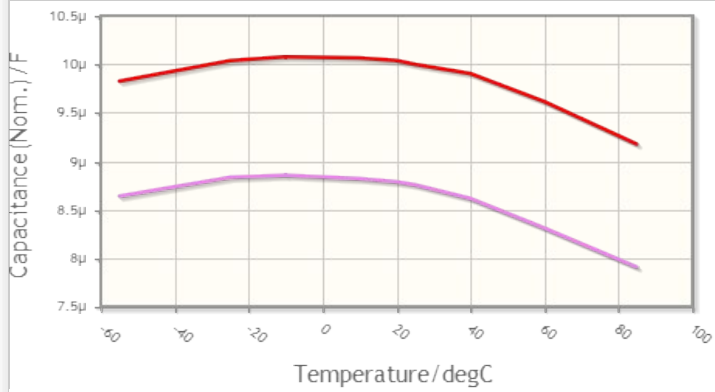
### DC Bias Characteristic



C3225X5R1C106K200AA

Change settings

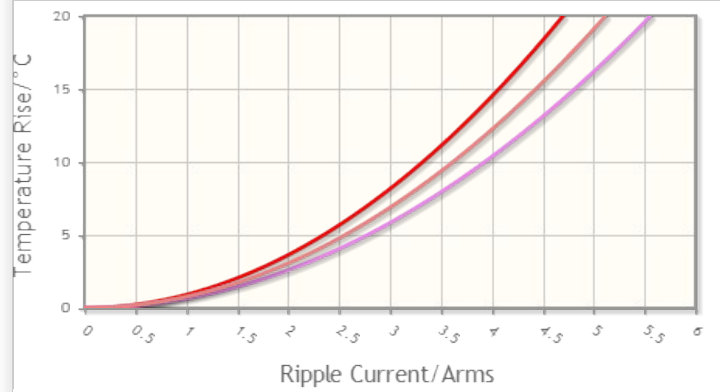
### Temperature Characteristic



C3225X5R1C106K200AA(No Bias)  
C3225X5R1C106K200AA(DC Bias = 8 V )

Change settings

### Ripple Temperature Rising



C3225X5R1C106K200AA(100k Hz)  
C3225X5R1C106K200AA(500k Hz)  
C3225X5R1C106K200AA(1M Hz)

Change settings

## Products

» Search by Part No. » Search by Characteristics » Distributor Inventory Check

- » Capacitors
- » Inductors (Coils)
- » EMC Components
- » RF / SAW Components and Modules
- » Voltage / Current / Temperature Protection Devices
- » Sensors and Sensor Systems
- » Ceramic Switching / Heating, Piezo Components and Buzzers
- » Transformers
- » Ferrites and Accessories
- » Noise Suppressing / Magnetic Sheet
- » Anechoic Chambers and Radio Wave Absorbers
- » Power Supplies
- » Magnets
- » Flash Storages
- » Wireless Charging
- » FA Systems
- » Transparent Conductive Film
- » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)
- » Solar Cells
- » Biosensor

## Application Guides

### Technical Support

### Tech Library

### Environment

### Contact

### News

### Home

- About TDK
- TDK Worldwide

Terms of Use

Copyright(c) 1996-2016 TDK Corporation. All rights reserved.  
TDK logo is a trademark or registered trademark of TDK Corporation.

