

# Multilayer Ceramic Chip Capacitors

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## C3225X7R2A105K200AA



**TDK item description** [?](#) C3225X7R2A105KT\*\*\*\*

### Applications



Commercial Grade

Please refer to Part No. [CGA6M2X7R2A105K200AA](#) for Automotive use.

### Feature

Mid

Mid Voltage (100 to 630V)

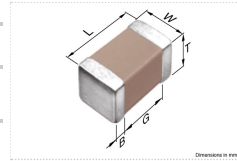
### Series

C3225 [EIA 1210]

### Status



Production



Images are for reference only and show exemplary products.

PDF file of this page

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### 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)

### 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

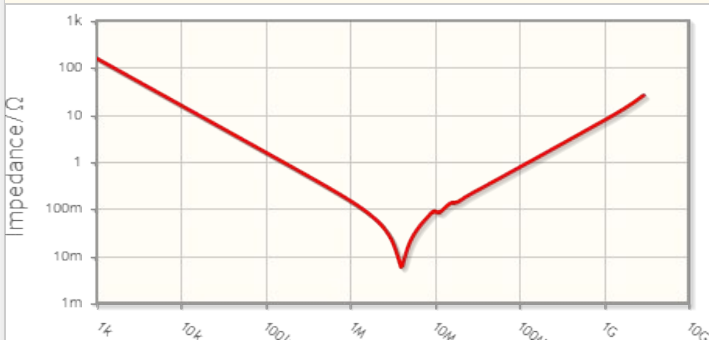
Capacitance	1μF ±10%
Rated Voltage	100VDC
Temperature Characteristic <a href="#">?</a>	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	500MΩ

### Other

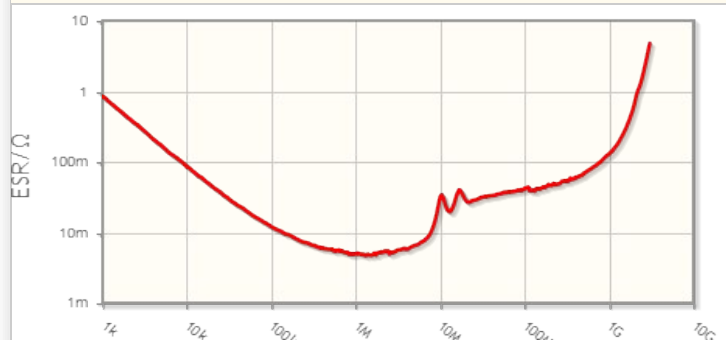
Soldering Method	Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs

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

Impedance



ESR



### Frequency/Hz

C3225X7R2A105K200AA

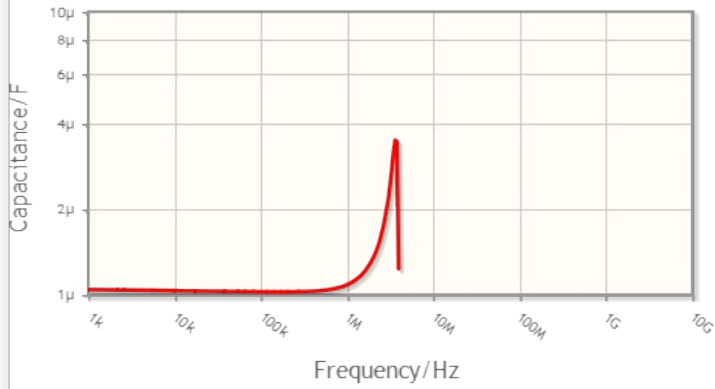
Change settings

### Frequency/Hz

C3225X7R2A105K200AA

Change settings

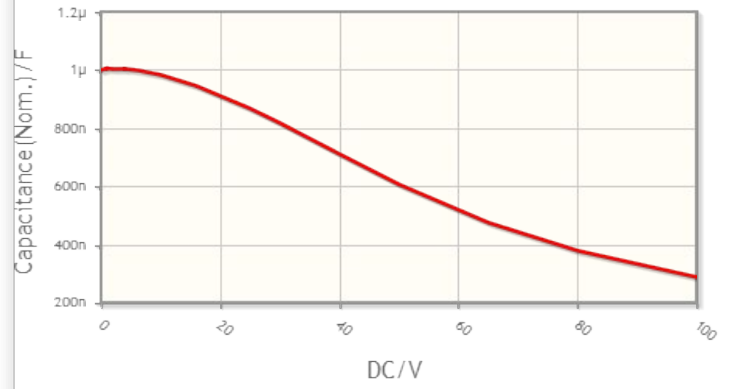
### Capacitance



C3225X7R2A105K200AA

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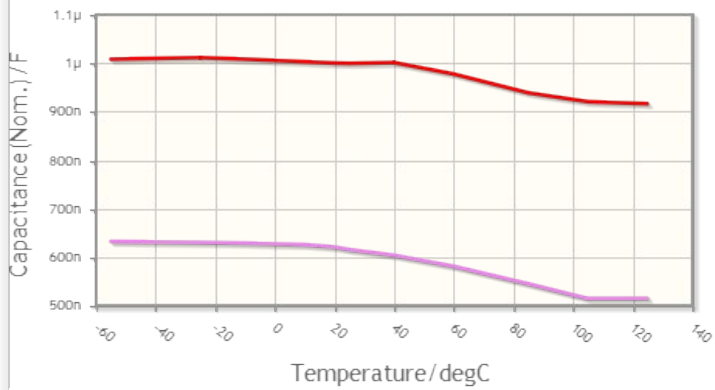
### DC Bias Characteristic



C3225X7R2A105K200AA

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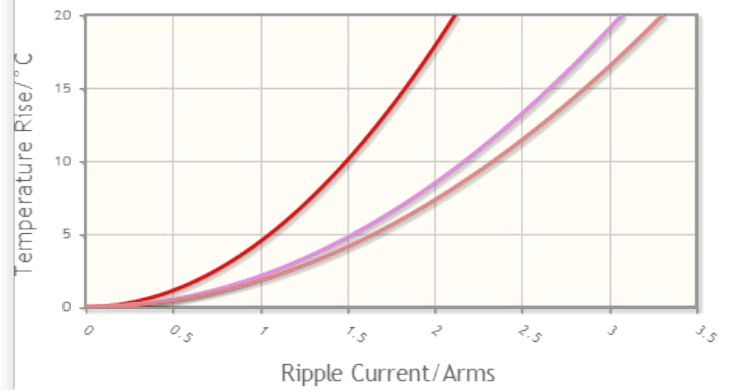
### Temperature Characteristic



C3225X7R2A105K200AA(No Bias) C3225X7R2A105K200AA(DC Bias = 50V )

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### Ripple Temperature Rising



C3225X7R2A105K200AA(100k Hz) C3225X7R2A105K200AA(500k Hz) C3225X7R2A105K200AA(1M Hz)

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- » FA Systems
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