

Multilayer Ceramic Chip Capacitors

Product Top Page Search by Part No. Search by Characteristics Cross Reference Catalog Tech Note Technical Support Tool FAQ

CGA6M3X7S2A335K200AB

TDK item description ? CGA6M3X7S2A335KT****

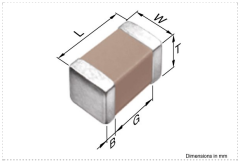
Applications Automotive Grade

Feature

Mid	Mid Voltage (100 to 630V)
AEC-Q200	AEC-Q200

Series CGA6(3225) [EIA 1210]

Status Production (Not Recommended for New Design)



Images are for reference only and show exemplary products.

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

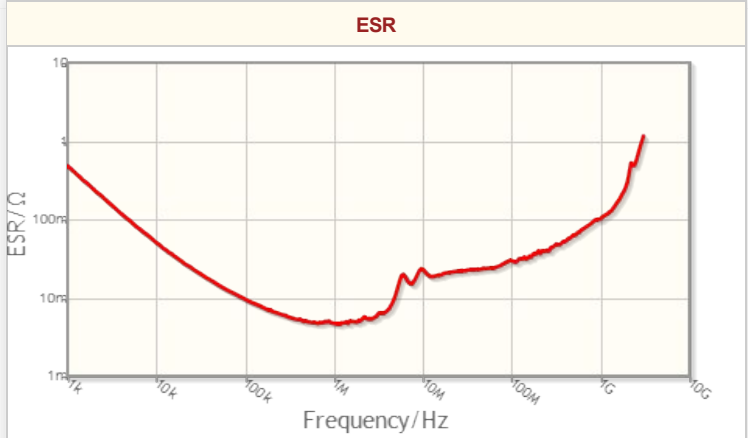
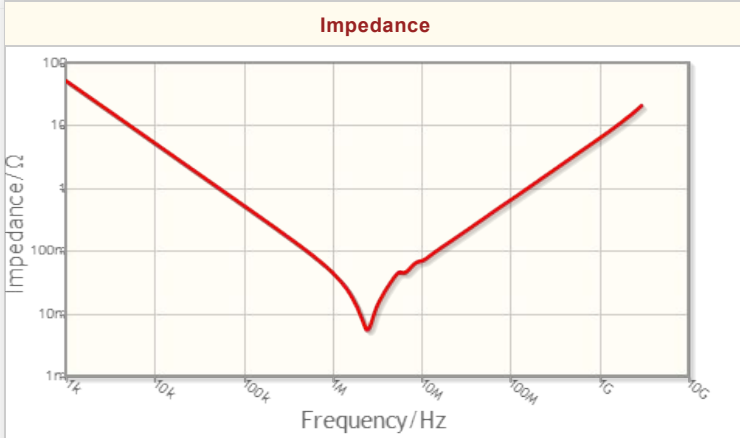
- Technical Support Tools**
- S-parameter
 - SPICE Netlist (Simple)
 - SPICE Netlist (Precision)
 - Equivalent Circuit Model
 - DC Bias/Superimposition Model (HSPICE)

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	3.3µF ±10%
Rated Voltage	100VDC
Temperature Characteristic ?	X7S(±22%)
Dissipation Factor (Max.)	5%
Insulation Resistance (Min.)	151MΩ

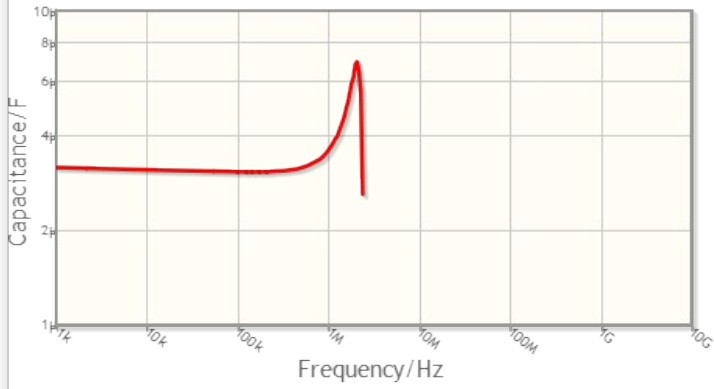
Other	
Soldering Method	Reflow
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs

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



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Capacitance

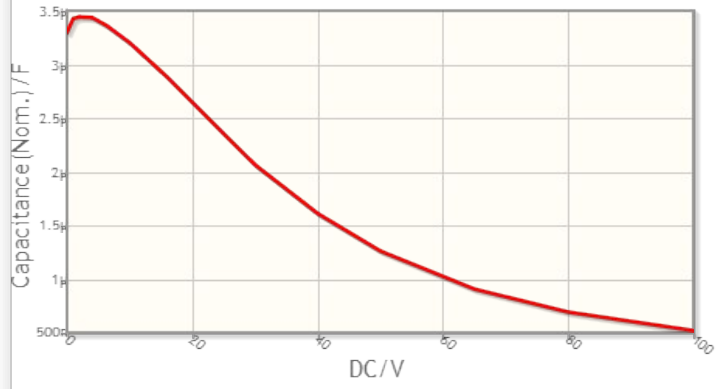


CGA6M3X7S2A335K200AB

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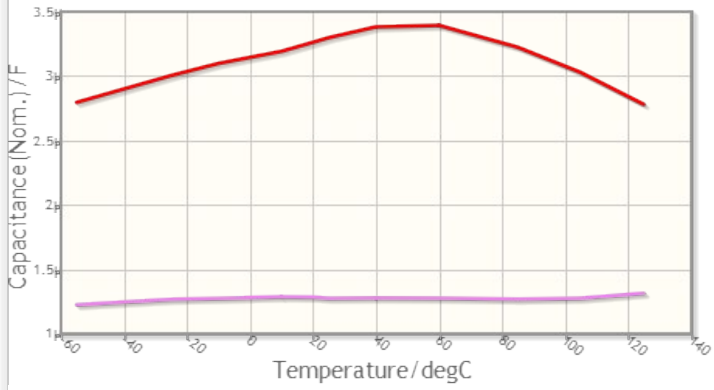
DC Bias Characteristic



CGA6M3X7S2A335K200AB

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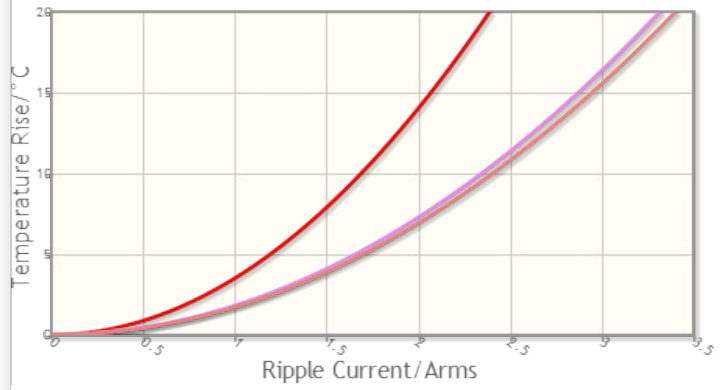
Temperature Characteristic



CGA6M3X7S2A335K200AB(No Bias) CGA6M3X7S2A335K200AB(DC Bias as = 50V)

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Ripple Temperature Rising



CGA6M3X7S2A335K200AB(10 0kHz) CGA6M3X7S2A335K200AB(50 0kHz) CGA6M3X7S2A335K200AB(1 MHz)

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- » 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
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