

Multilayer Ceramic Chip Capacitors

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

C2012X7R2A332K085AA



TDK item description ? C2012X7R2A332KT****

Applications

Commercial Grade
Please refer to Part No. [CGA4F2X7R2A332K085AA](#) for Automotive use.

Feature

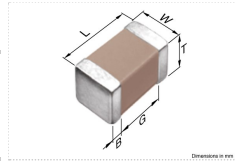
Mid Mid Voltage (100 to 630V)

Series

C2012 [EIA 0805]

Status

Production (Not Recommended for New Design)



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

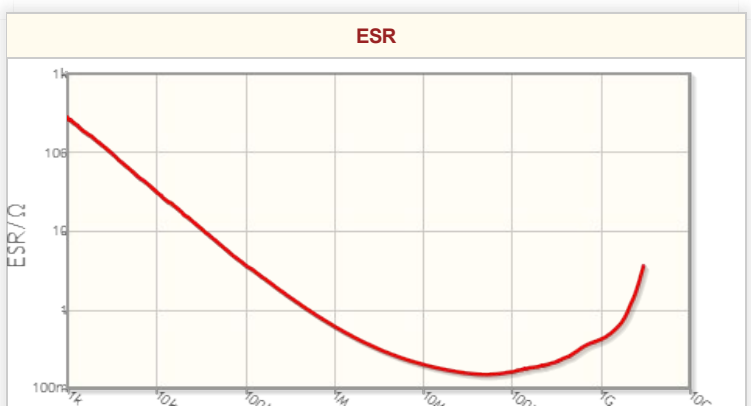
- S-parameter
- SPICE Netlist (Simple)
- SPICE Netlist (Precision)
- Equivalent Circuit Model
- DC Bias/Superimposition Model (HSPICE)

Size	
Length(L)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness(T)	0.85mm ±0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern (PA)	1.00mm to 1.30mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.00mm to 1.20mm(Flow Soldering) 0.70mm to 0.90mm(Reflow Soldering)
Recommended Land Pattern (PC)	0.80mm to 1.10mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)

Electrical Characteristics	
Capacitance	3.3nF ±10%
Rated Voltage	100VDC
Temperature Characteristic ?	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	10000MΩ

Other	
Soldering Method	Flow Reflow
AEC-Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs

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



Frequency/Hz

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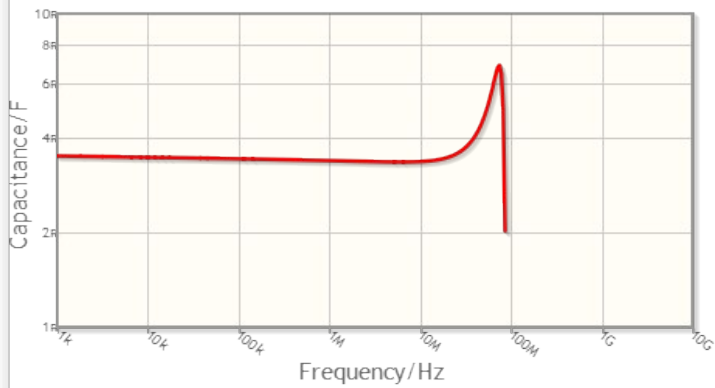
Change settings

Frequency/Hz

C2012X7R2A332K085AA

Change settings

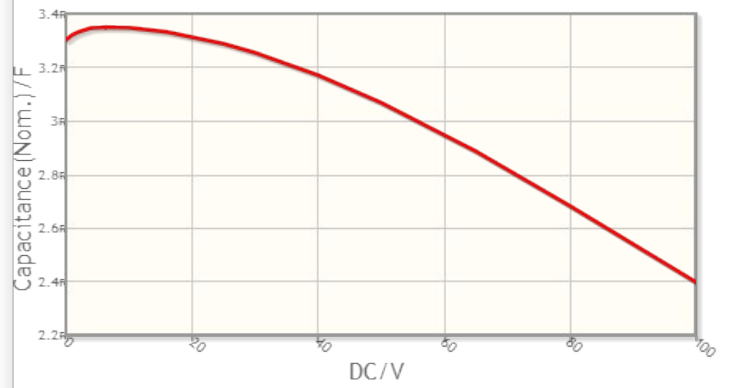
Capacitance



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Change settings

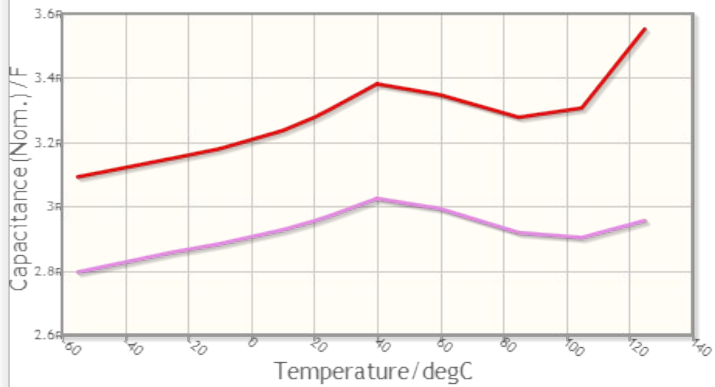
DC Bias Characteristic



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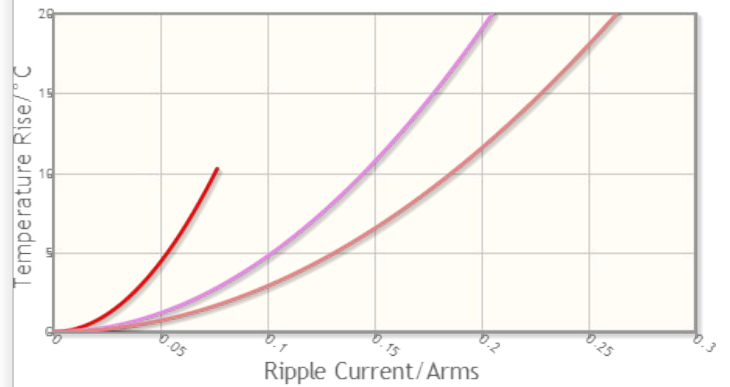
Temperature Characteristic



C2012X7R2A332K085AA(No Bias) C2012X7R2A332K085AA(DC Bias = 50V)

Change settings

Ripple Temperature Rising



C2012X7R2A332K085AA(100k Hz) C2012X7R2A332K085AA(500k Hz) C2012X7R2A332K085AA(1M Hz)

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- » Noise Suppressing / Magnetic Sheet
- » Anechoic Chambers and Radio Wave Absorbers
- » Power Supplies
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