

Multilayer Ceramic Chip Capacitors

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Catalog

Tech Note

Technical Support Tool

FAQ

C5750X7R2A684K160KM



TDK item description ? C5750X7R2A684KT5***

Applications



Commercial Grade

Feature

Mid

Mid Voltage (100 to 630V)

Open

Open Mode

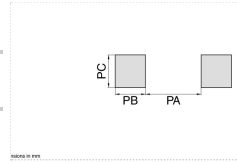
Series

C5750 [EIA 2220]

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)	5.70mm ±0.40mm
Width(W)	5.00mm ±0.40mm
Thickness(T)	1.60mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	
Recommended Land Pattern (PA)	4.10mm to 4.80mm
Recommended Land Pattern (PB)	1.20mm to 1.40mm
Recommended Land Pattern (PC)	4.00mm to 5.00mm

Electrical Characteristics

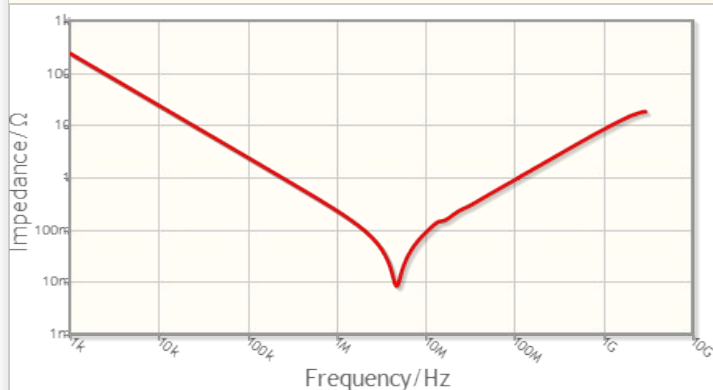
Capacitance	680nF ±10%
Rated Voltage	100VDC
Temperature Characteristic ?	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	735MΩ

Other

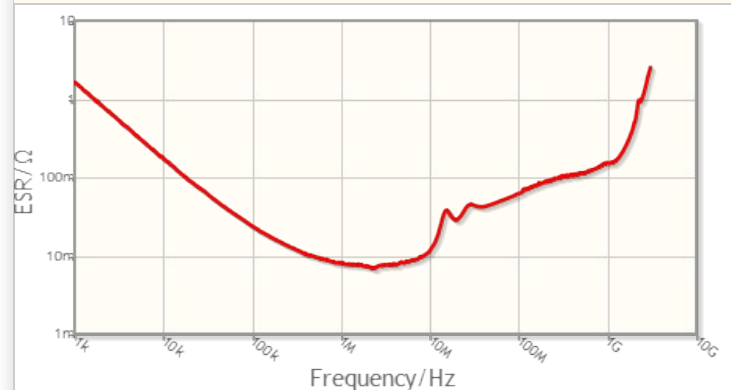
Soldering Method	Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs

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

Impedance

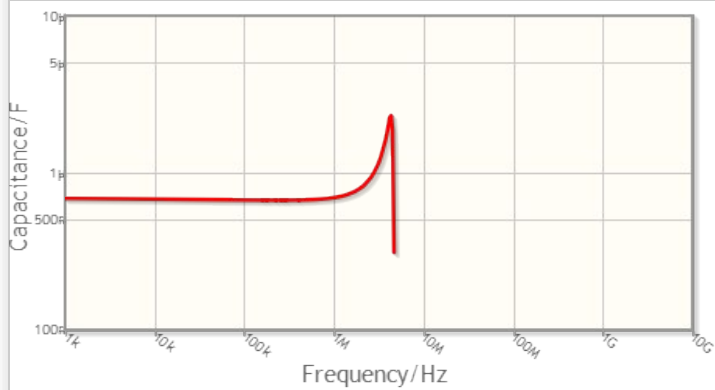


ESR



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Capacitance

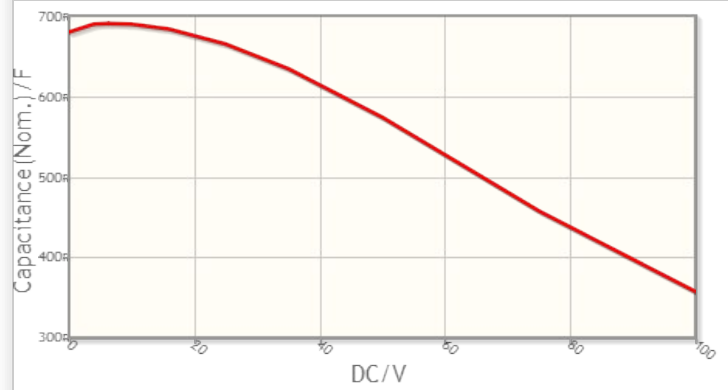


C5750X7R2A684K160KM

Change settings

Change settings

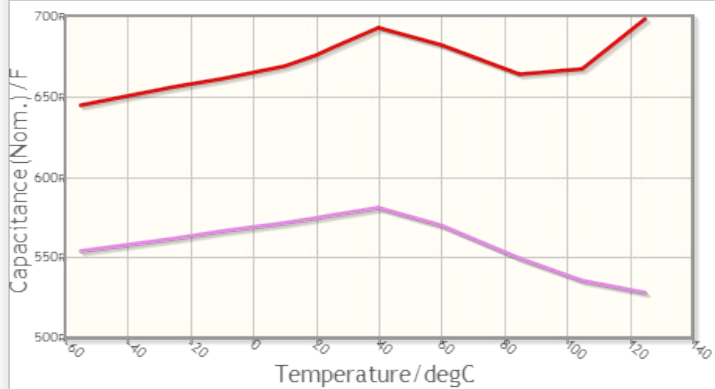
DC Bias Characteristic



C5750X7R2A684K160KM

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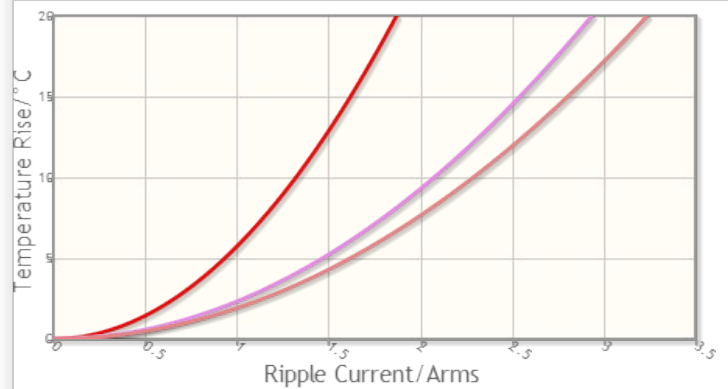
Temperature Characteristic



C5750X7R2A684K160KM(N o Bias) C5750X7R2A684K160KM(DC Bias = 50V)

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Ripple Temperature Rising



C5750X7R2A684K160KM(100k Hz) C5750X7R2A684K160KM(500k Hz) C5750X7R2A684K160KM(1M Hz)

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