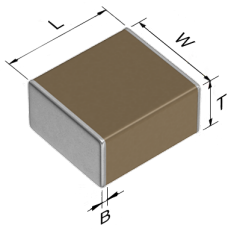
Creation Date : August 10, 2025 (GMT)

Multilayer Ceramic Chip Capacitors

CGA9P3X7T2E225K250KA

Product Status	Production
TDK Item Description	CGA9P3X7T2E225KT****
Applications	Automotive Grade
Feature	AEC-Q200AEC-Q200 MidMid Voltage (100 to 630V)
Series	CGA9(5750) [EIA 2220]
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



Size	
Length(L)	5.70mm ±0.40mm
Width(W)	5.00mm ±0.40mm
Thickness(T)	2.50mm ±0.30mm
Terminal Width(B)	0.20mm Min.
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	2.2µF ±10%
Rated Voltage	250VDC
Temperature Characteristic	X7T(+22,-33%)
Dissipation Factor (Max.)	2.5%
Insulation Resistance (Min.)	227MΩ

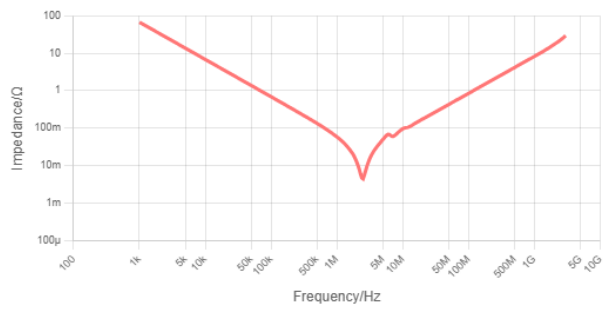
Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	500pcs
FIT (Failure In Time)	This will be displayed when you login to myTDK

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

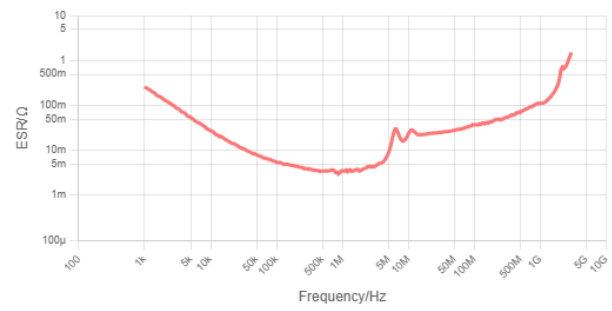
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

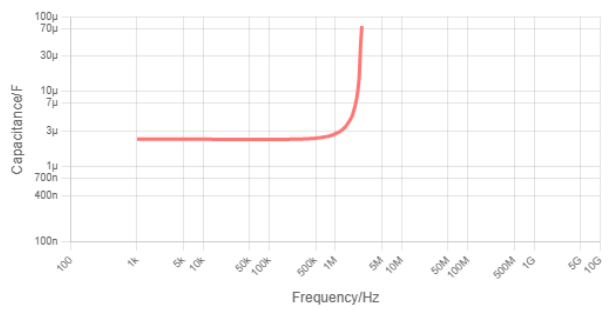
Impedance



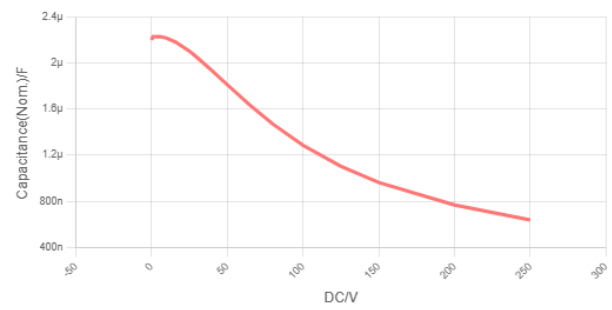
ESR



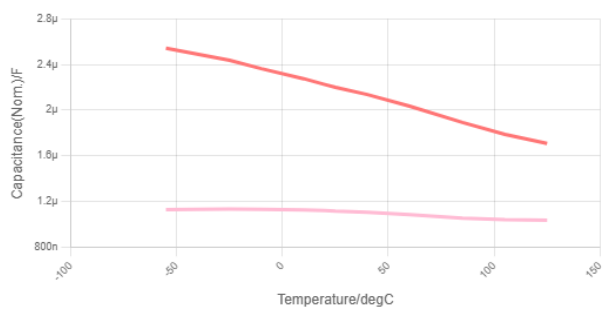
Capacitance



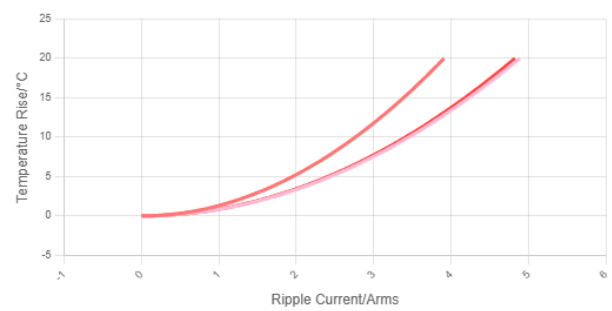
DC Bias Characteristic



Temperature Characteristic



Ripple Temperature Rising



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Associated Images

Land Pattern (Terminal Connection)



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