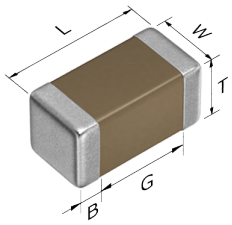
Creation Date : August 18, 2019 (GMT)

Multilayer Ceramic Chip Capacitors

CGA1A1X7T0G104M030BC New
Product

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

TDK item description	CGA1A1X7T0G104MT****
Applications	Automotive Grade
Feature	General General (Up to 50V) AEC-Q200 AEC-Q200
Series	CGA1(0603) [EIA 0201]
Status	Production



Size	
Length(L)	0.60mm +0.10,-0.03mm
Width(W)	0.30mm +0.10,-0.03mm
Thickness(T)	0.30mm +0.10,-0.03mm
Terminal Width(B)	0.10mm Min.
Terminal Spacing(G)	0.20mm Min.
Recommended Land Pattern (PA)	0.25mm to 0.35mm
Recommended Land Pattern (PB)	0.20mm to 0.30mm
Recommended Land Pattern (PC)	0.25mm to 0.35mm

Electrical Characteristics	
Capacitance	100nF ±20%
Rated Voltage	4VDC
Temperature Characteristic	X7T(+22,-33%)
Dissipation Factor (Max.)	10%
Insulation Resistance (Min.)	1000MΩ

Other	
Soldering Method	Reflow
AEC-Q200	Yes
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	15000pcs

! Images are for reference only and show exemplary products.
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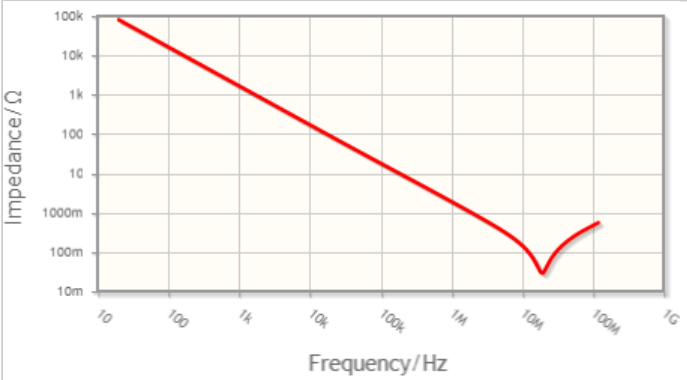
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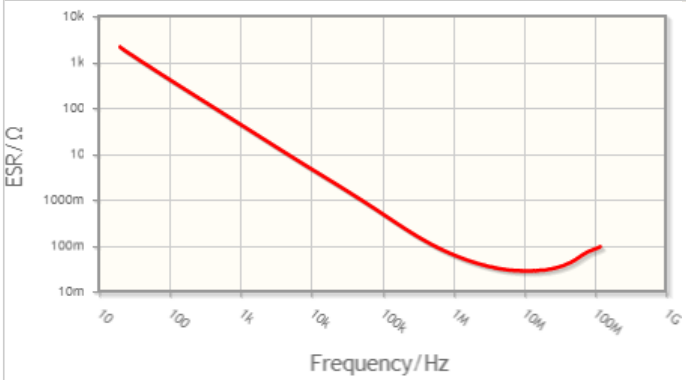
Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)

Impedance



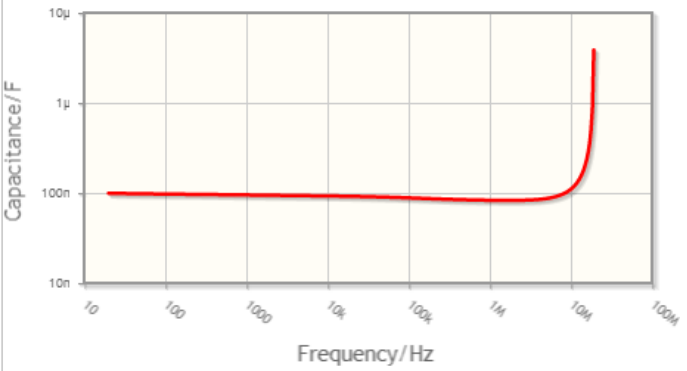
CGA1A1X7T0G104M030BC

ESR



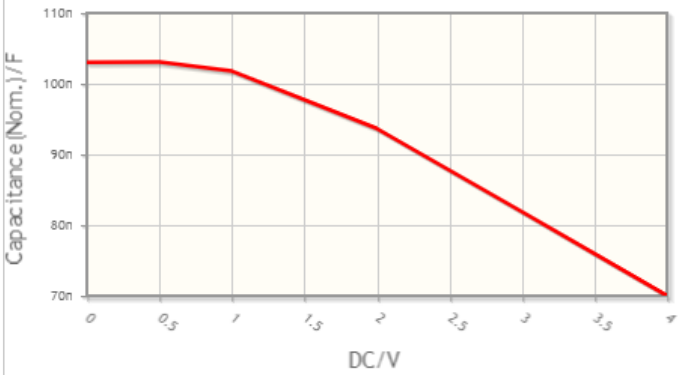
CGA1A1X7T0G104M030BC

Capacitance



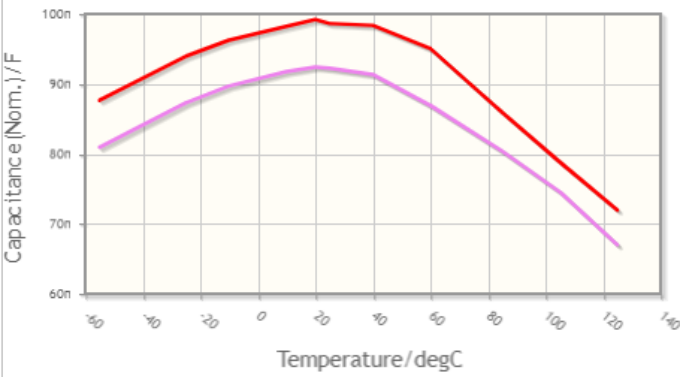
CGA1A1X7T0G104M030BC

DC Bias Characteristic



CGA1A1X7T0G104M030BC

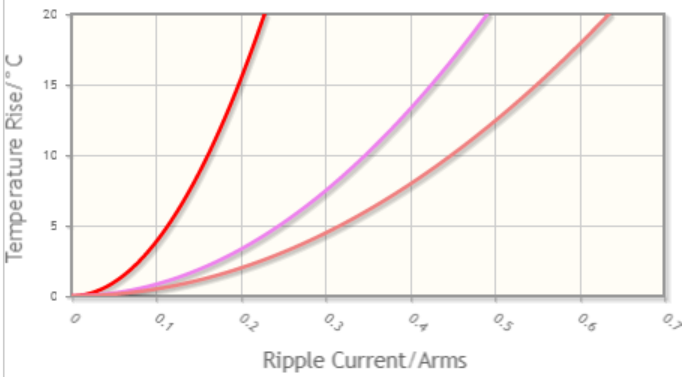
Temperature Characteristic



CGA1A1X7T0G104M030BC(No Bias)

CGA1A1X7T0G104M030BC(DC Bias = 2V)

Ripple Temperature Rising



CGA1A1X7T0G104M030BC(100kHz) CGA1A1X7T0G104M030BC(500kHz) CGA1A1X7T0G104M030BC(1MHz)

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Associated Images

Land Pattern (Terminal Connection)



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