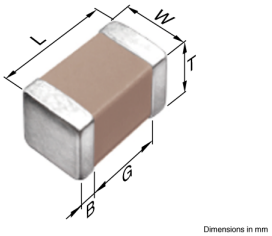
Creation Date : March 08, 2017 (GMT)

Multilayer Ceramic Chip Capacitors

C3216X7R2J103K115AA

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

TDK item description	C3216X7R2J103KT****
Applications	Commercial Grade Please refer to Part No. CGA5H4X7R2J103K115AA for Automotive use.
Feature	Mid Voltage (100 to 630V)
Series	C3216 [EIA 1206]
Status	Production



Size	
Length(L)	3.20mm ±0.20mm
Width(W)	1.60mm ±0.20mm
Thickness(T)	1.15mm ±0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	1.00mm Min.
Recommended Land Pattern (PA)	2.10mm to 2.50mm(Flow Soldering) 2.00mm to 2.40mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.10mm to 1.30mm(Flow Soldering) 1.00mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PC)	1.00mm to 1.30mm(Flow Soldering) 1.10mm to 1.60mm(Reflow Soldering)

Electrical Characteristics	
Capacitance	10nF ±10%
Rated Voltage	630VDC
Temperature Characteristic	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	10000MΩ

Other	
Soldering Method	Wave (Flow) Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

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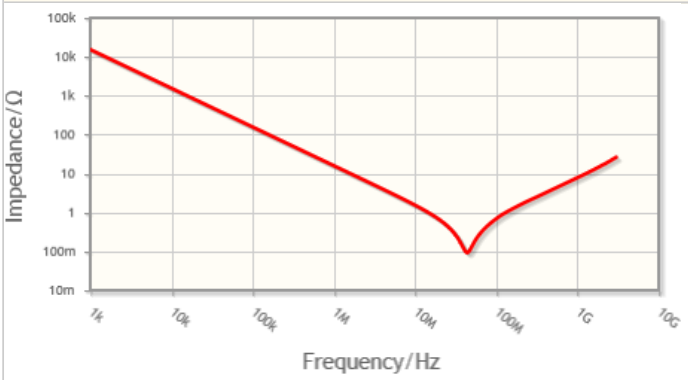
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



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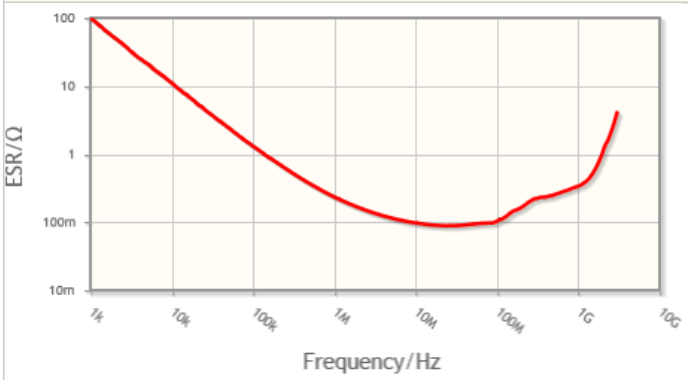
ESR



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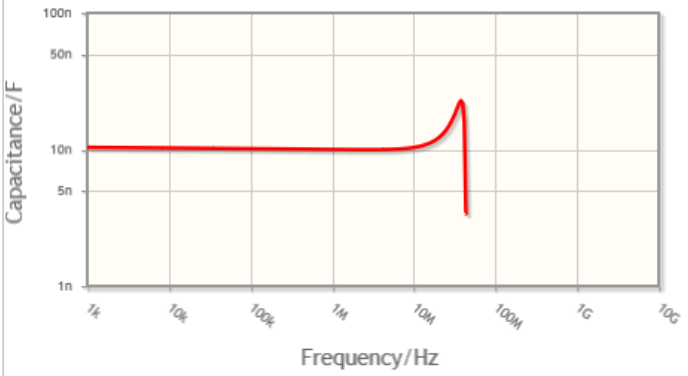
Capacitance



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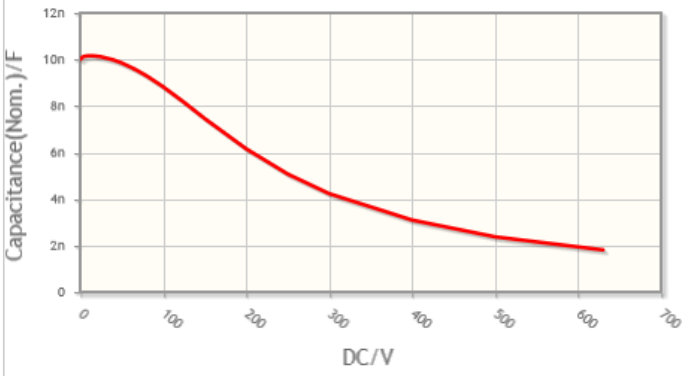
DC Bias Characteristic



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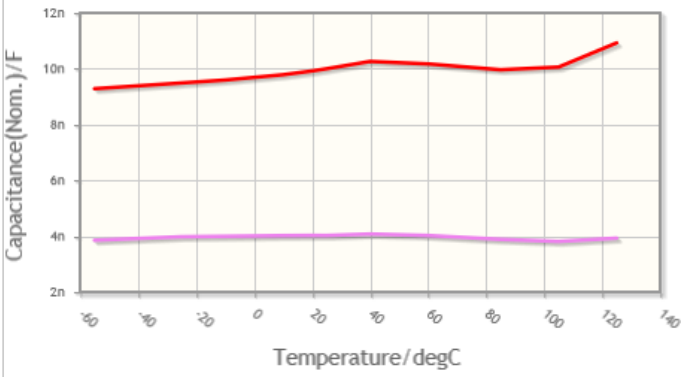
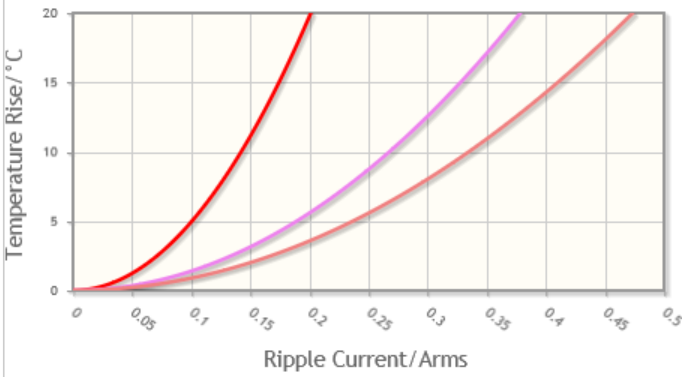
Temperature Characteristic



C3216X7R2J103K115AA(No Bias) C3216X7R2J103K115AA(DC Bias = 315V)

Ripple Temperature Rising



C3216X7R2J103K115AA(100kHz) C3216X7R2J103K115AA(500kHz) C3216X7R2J103K115AA(1MHz)

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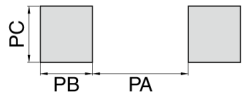
Associated Images

Land Pattern (Terminal Connection)



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