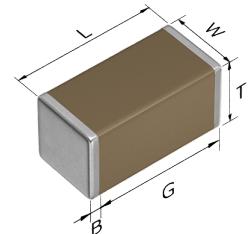


C3216X7R2A105K160AE

**TDK item description** C3216X7R2A105KT***S

Applications	Commercial Grade Please refer to Part No. CGA5L2X7R2A105K160AE for Automotive use.
Feature	Mid Mid Voltage (100 to 630V) Soft Soft Termination
Series	C3216 [EIA 1206]
Status	Production
Brand	TDK



Size	
Length(L)	3.20mm +0.40,-0.20mm
Width(W)	1.60mm +0.30,-0.20mm
Thickness(T)	1.60mm +0.30,-0.20mm
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	1 μ F \pm 10%
Rated Voltage	100VDC
Temperature Characteristic	X7R(\pm 15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	500M Ω

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Wave (Flow) Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

! Images are for reference only and show exemplary products.

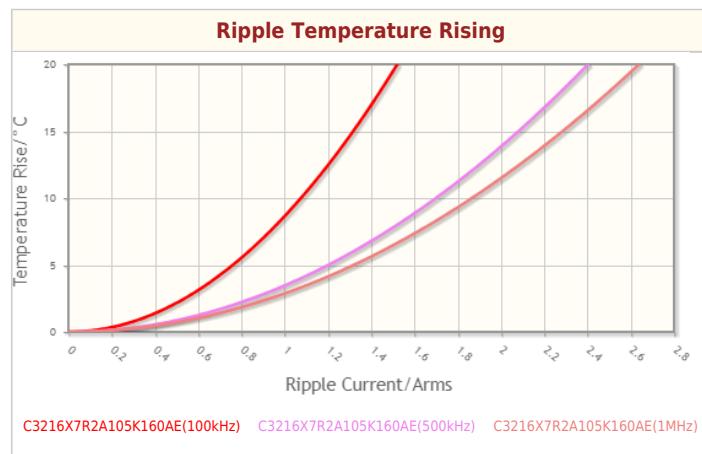
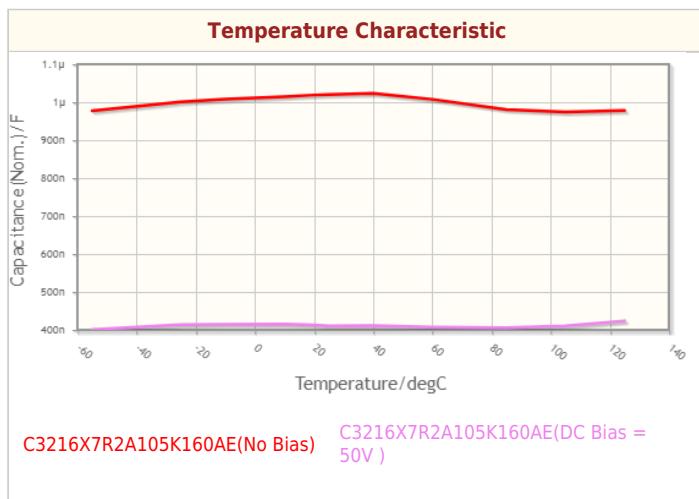
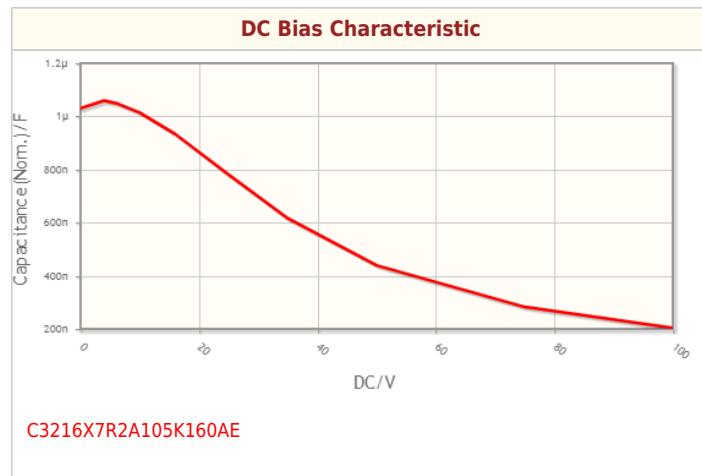
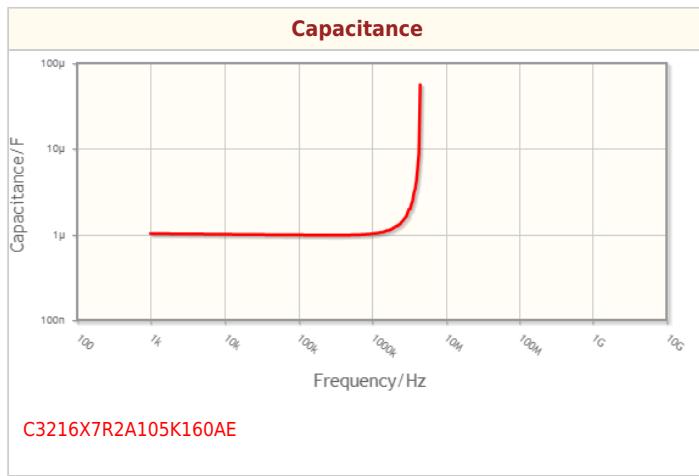
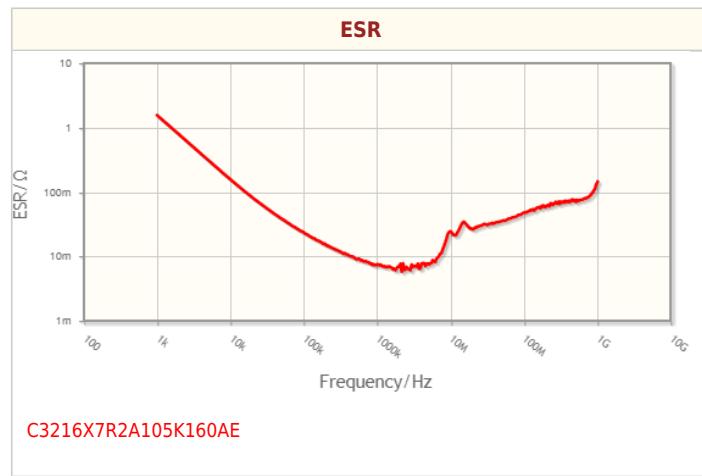
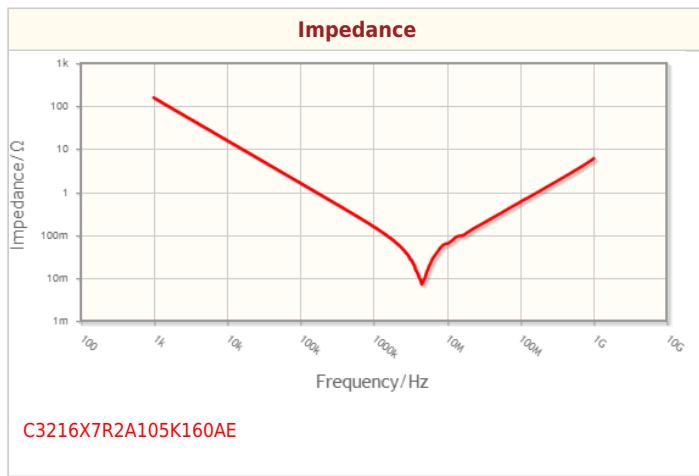
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! All specifications are subject to change without notice.

C3216X7R2A105K160AE



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



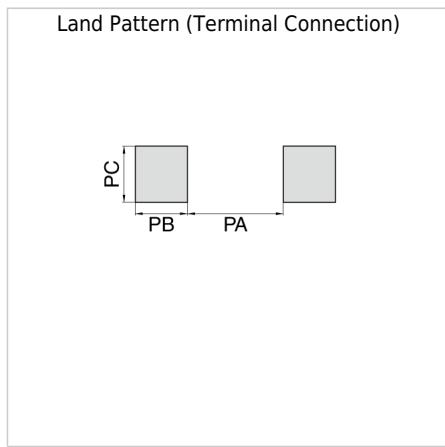
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Associated Images



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