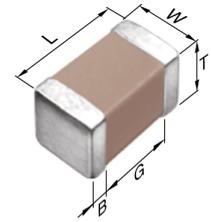


C2012X5R1C105K085AA



TDK item description C2012X5R1C105KT****

Applications	Commercial Grade Please refer to Part No. CGA4J2X5R1C105K125AA for Automotive use.
Feature	General General (Up to 50V)
Series	C2012 [EIA 0805]
Status	Production (Not Recommended for New Design)



Dimensions in mm

Size	
Length(L)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness(T)	0.85mm ±0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern (PA)	1.00mm to 1.30mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.00mm to 1.20mm(Flow Soldering) 0.70mm to 0.90mm(Reflow Soldering)
Recommended Land Pattern (PC)	0.80mm to 1.10mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)

Electrical Characteristics	
Capacitance	1µF ±10%
Rated Voltage	16VDC
Temperature Characteristic	X5R(±15%)
Dissipation Factor (Max.)	5%
Insulation Resistance (Min.)	100MΩ

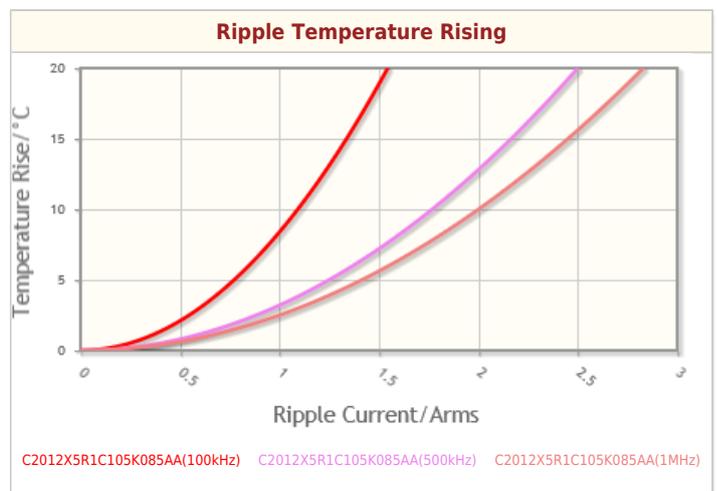
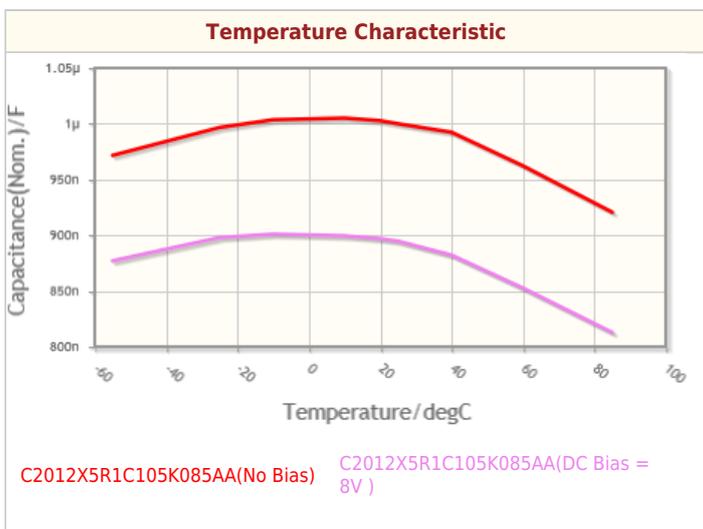
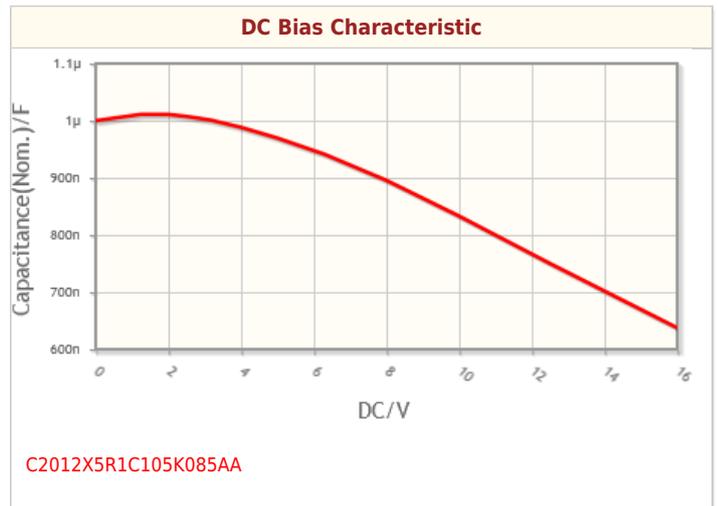
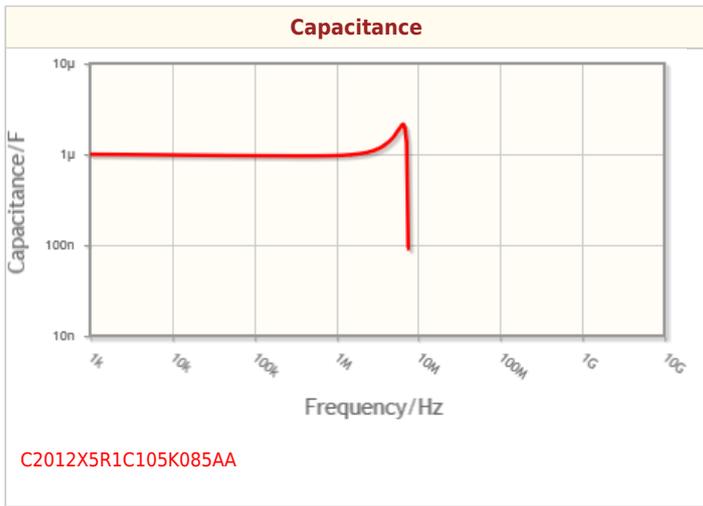
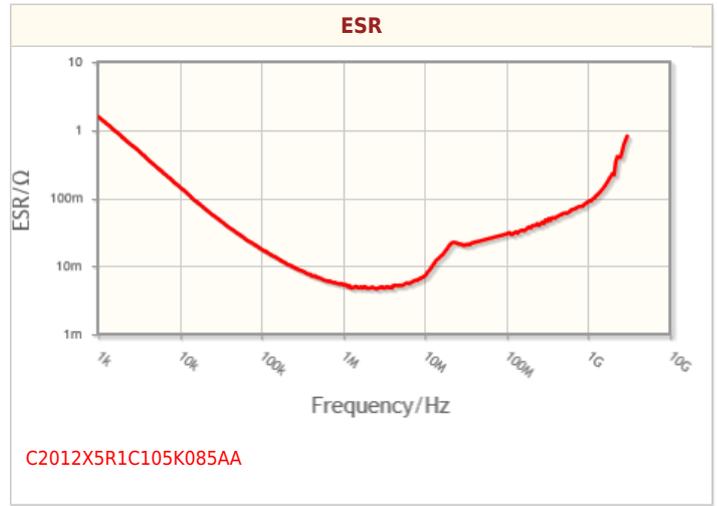
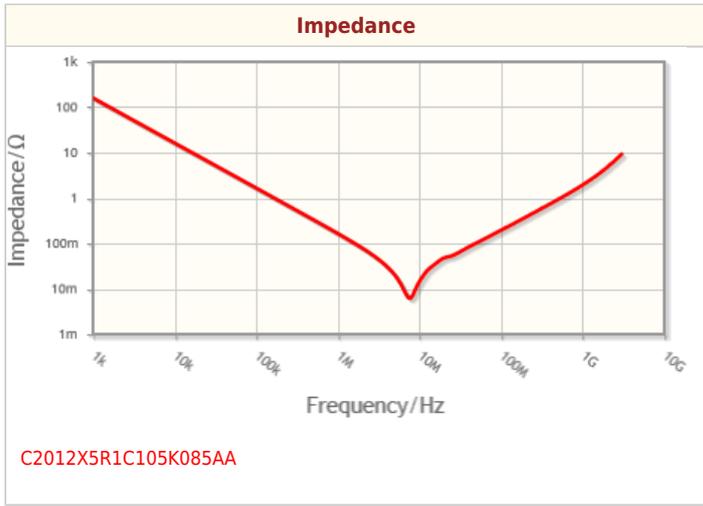
Other	
Soldering Method	Wave (Flow) Reflow
AEC-Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs

! 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.

C2012X5R1C105K085AA



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

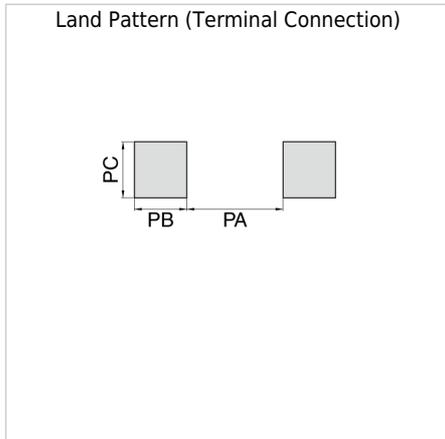


! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

C2012X5R1C105K085AA



Associated Images



! 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.