

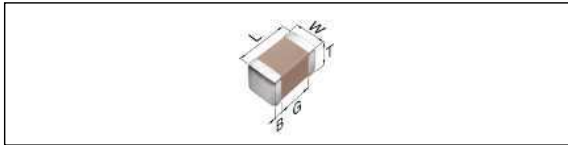


C2012X7R1C105K085AA

Applications	 Commercial Grade
	 Please refer to Part No. CGA4J2X7R1C105K125AA for automotive use.
Feature	General General (Up to 50V)
Series	C2012 [EIA CC0805]



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.

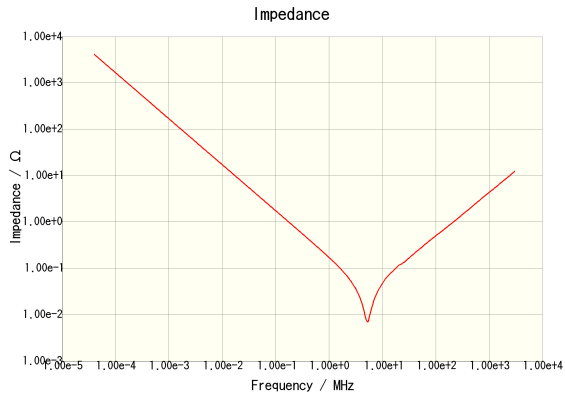
Electrical Characteristics	
Capacitance	1uF +/-10%
Rated Voltage	16Vdc
Temperature Characteristic	X7R(+/-15%)
Dissipation Factor	5% Max.
Insulation Resistance	100MΩ Min.

Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000 Pcs Min.

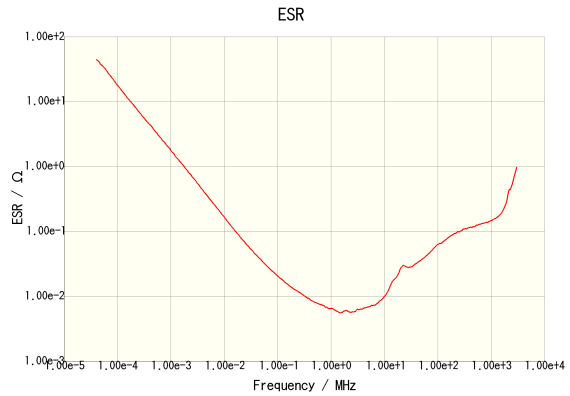
•This PDF document was created based on the data listed on the TDK Corporation website.
 •All specifications are subject to change without notice.

C2012X7R1C105K085AA

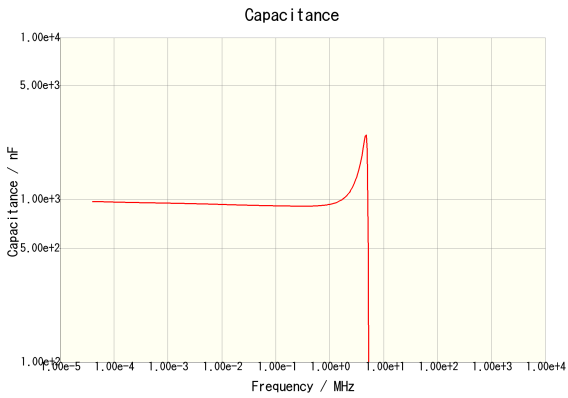
Characteristic Graphs



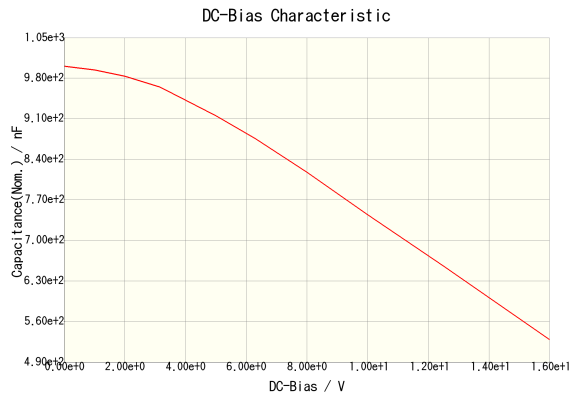
C2012X7R1C105K085AA



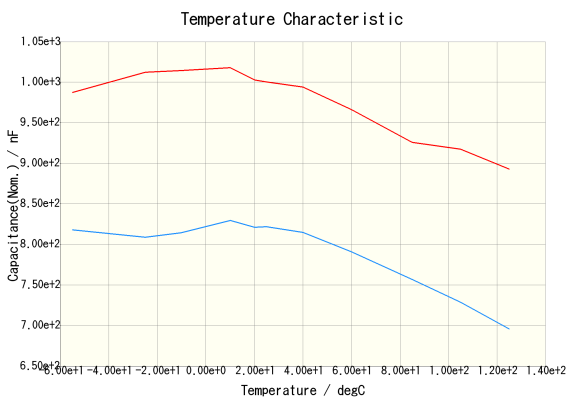
C2012X7R1C105K085AA



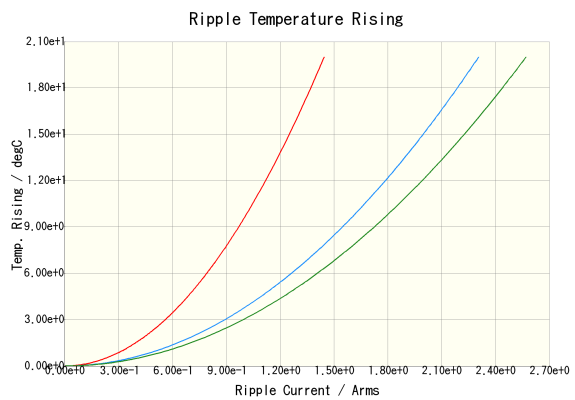
C2012X7R1C105K085AA



C2012X7R1C105K085AA



C2012X7R1C105K085AA(DC Bias = 0V) C2012X7R1C105K085AA(DC Bias = 8V)



C2012X7R1C105K085AA(100kHz) C2012X7R1C105K085AA(500kHz)
C2012X7R1C105K085AA(1MHz)

•This PDF document was created based on the data listed on the TDK Corporation website.
•All specifications are subject to change without notice.