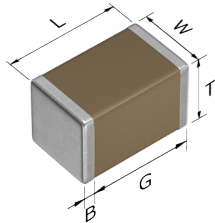


	Production (NRND)
Product Status	Recommended Alternate Part No. : <a href="#">C2012X7R1A475K125AC</a> (Interchangeability is not guaranteed.)
TDK Item Description	C2012X7R1A475KT****
Applications	Commercial Grade Please refer to Part No. <a href="#">CGA4J3X7R1A475K125AB</a> for Automotive use.
Feature	GeneralGeneral (Up to 75V)
Series	C2012 [EIA 0805]
Brand	TDK
Environmental Compliance	<div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div>



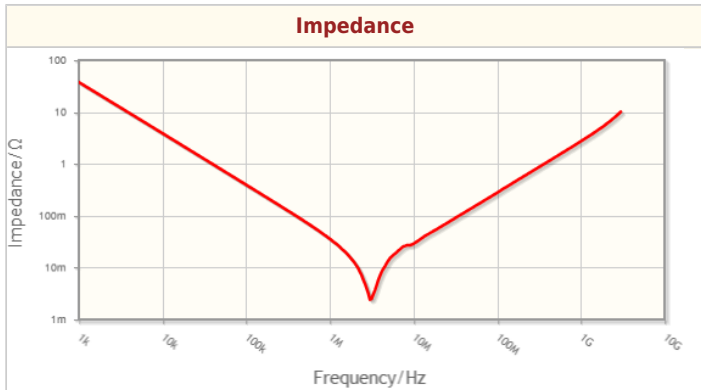
Size	
Length(L)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness(T)	0.85mm ±0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern (PA)	1.00mm to 1.30mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.00mm to 1.20mm(Flow Soldering) 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	4.7μF ±10%
Rated Voltage	10VDC
Temperature Characteristic	X7R(±15%)
Dissipation Factor (Max.)	10%
Insulation Resistance (Min.)	21MΩ

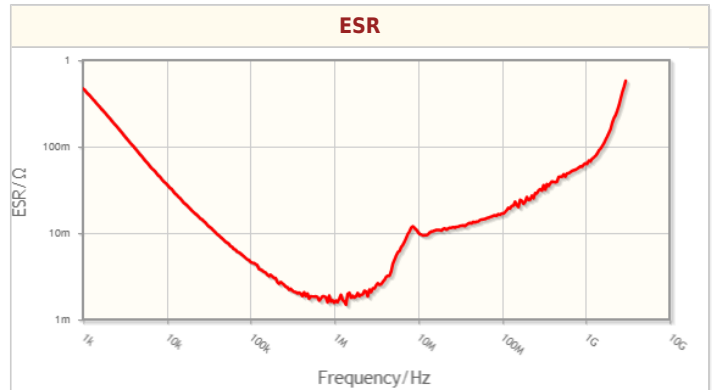
Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Wave (Flow) Reflow
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs

! 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.

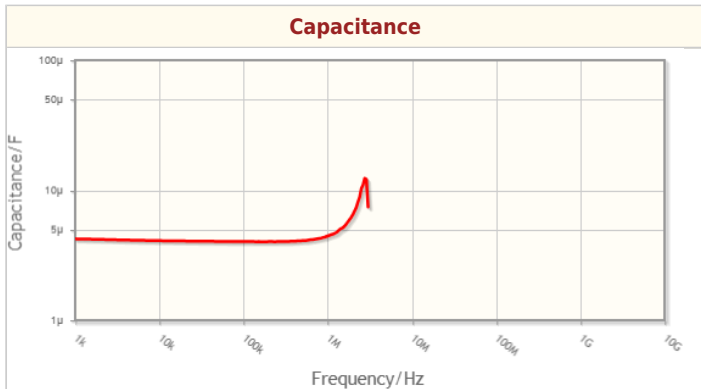
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



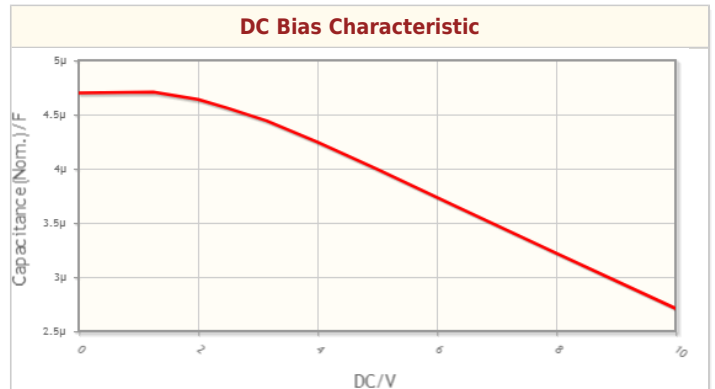
C2012X7R1A475K085AC



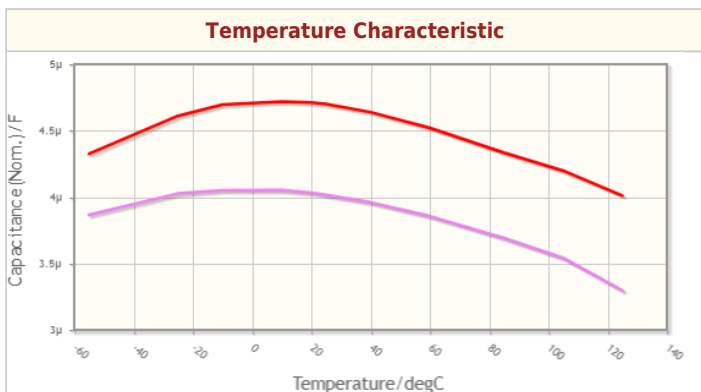
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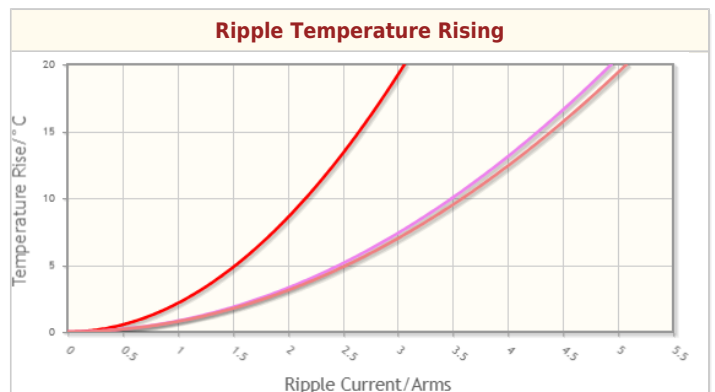
C2012X7R1A475K085AC



C2012X7R1A475K085AC



C2012X7R1A475K085AC(No Bias) } C2012X7R1A475K085AC(DC Bias = 5V)



C2012X7R1A475K085AC(100kHz) C2012X7R1A475K085AC(500kHz) C2012X7R1A475K085AC(1MHz)

## Associated Images

