

Production (NRND)

Product Status Recommended Alternate Part No. : [C2012X7R1V225K125AE](#) (Interchangeability is not guaranteed.)

TDK Item Description C2012X7R1V225MT***S

Applications Commercial Grade
Please refer to Part No. [CGA4J1X7R1V225M125AE](#) for Automotive use.

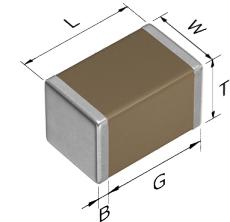
Feature Soft Termination

Series C2012 [EIA 0805]

Brand TDK

Environmental Compliance

 RoHS	 REACH	 Halogen Free	 Lead Free
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**Size**

Length(L)	2.00mm +0.45,-0.20mm
Width(W)	1.25mm +0.25,-0.20mm
Thickness(T)	1.25mm +0.25,-0.20mm
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	2.2 μ F $\pm 20\%$
Rated Voltage	35VDC
Temperature Characteristic	X7R($\pm 15\%$)
Dissipation Factor (Max.)	5%
Insulation Resistance (Min.)	227M Ω

Other

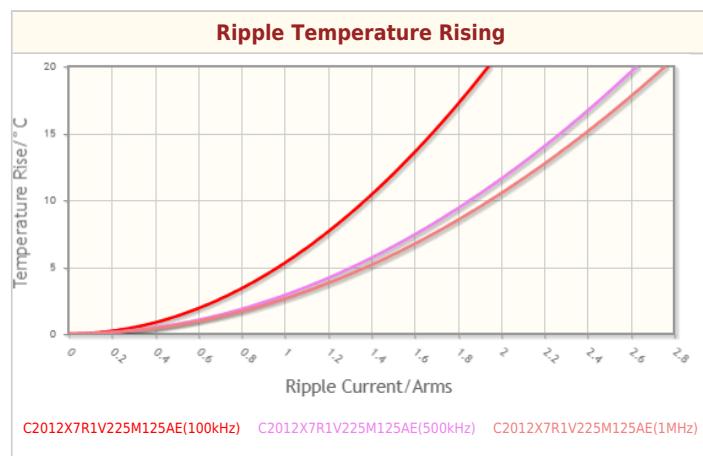
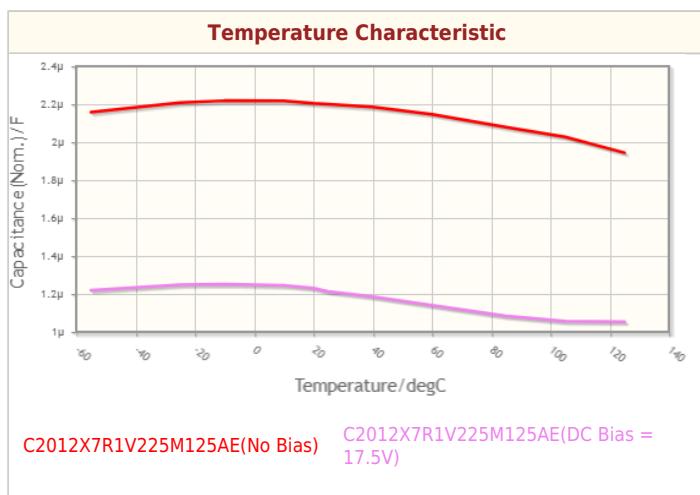
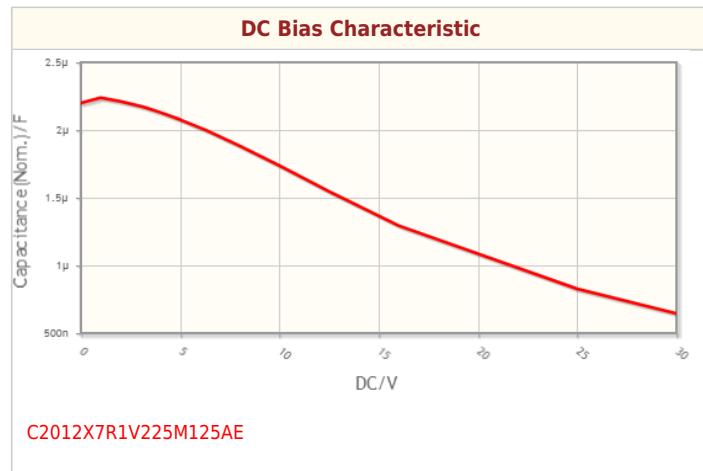
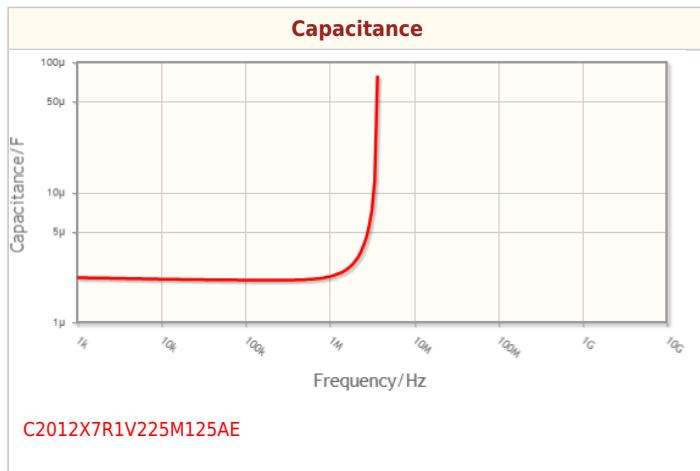
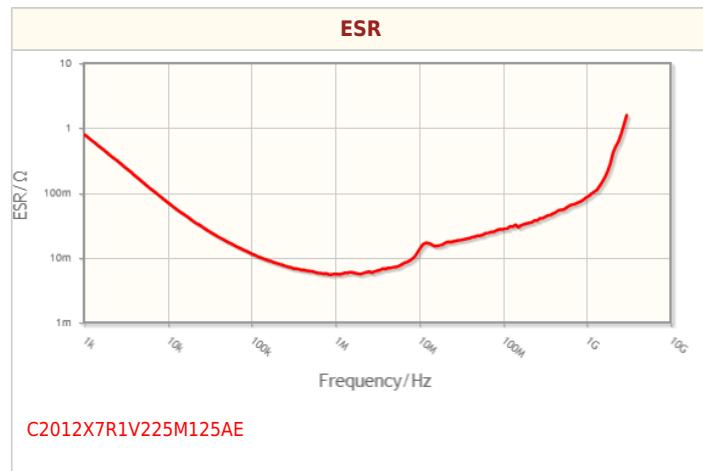
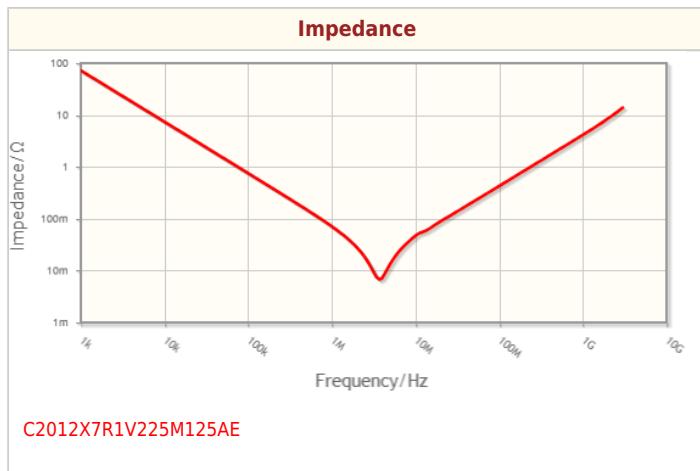
Operating Temp. Range	-55 to 125°C
Soldering Method	Wave (Flow) Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

! Images are for reference only and show exemplary products.

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! All specifications are subject to change without notice.

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

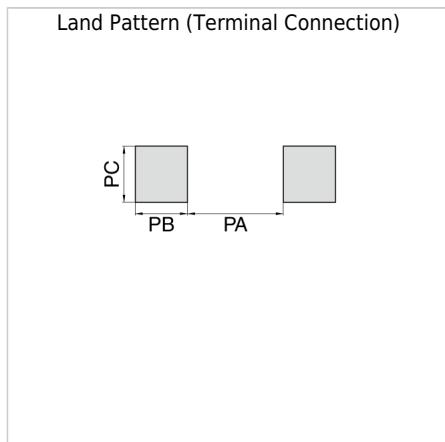


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Associated Images



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