

Production (NRND)

Product Status Recommended Alternate Part No. : [C2012X7R2E103K125AE](#) (Interchangeability is not guaranteed.)

TDK Item Description C2012X7R2E103MT***S

Applications Commercial Grade
Please refer to Part No. [CGA4J3X7R2E103M125AE](#) for Automotive use.

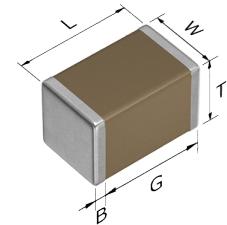
Feature Mid Voltage (100 to 630V)
Soft Termination

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 10nF ±20%

Rated Voltage 250VDC

Temperature Characteristic X7R(±15%)

Dissipation Factor (Max.) 3%

Insulation Resistance (Min.) 10000MΩ

Other

Operating Temp. Range -55 to 125°C

Soldering Method Wave (Flow)
Reflow

AEC-Q200 NO

Packing Embossed (Plastic)Taping [180mm Reel]

! Images are for reference only and show exemplary products.

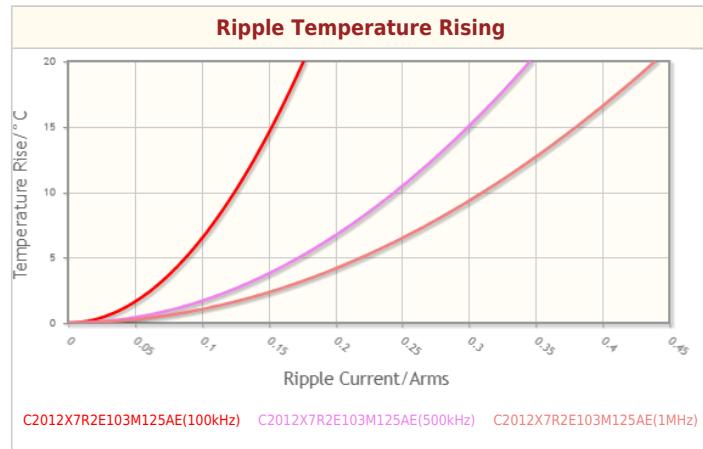
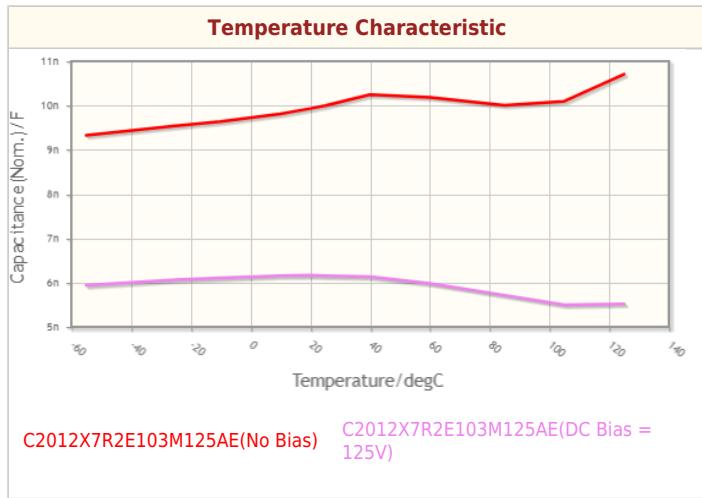
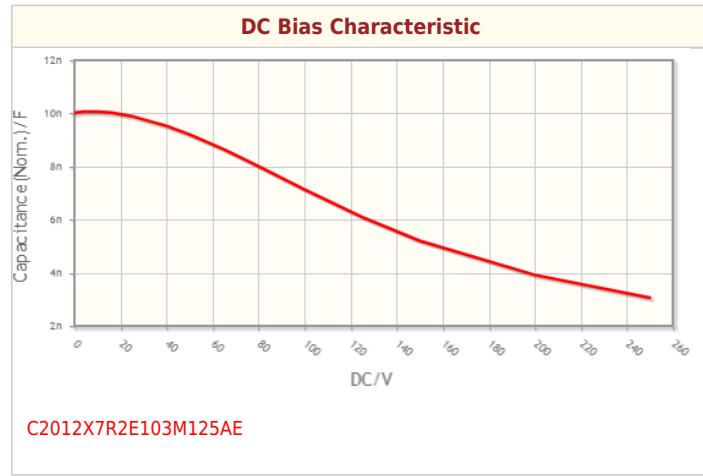
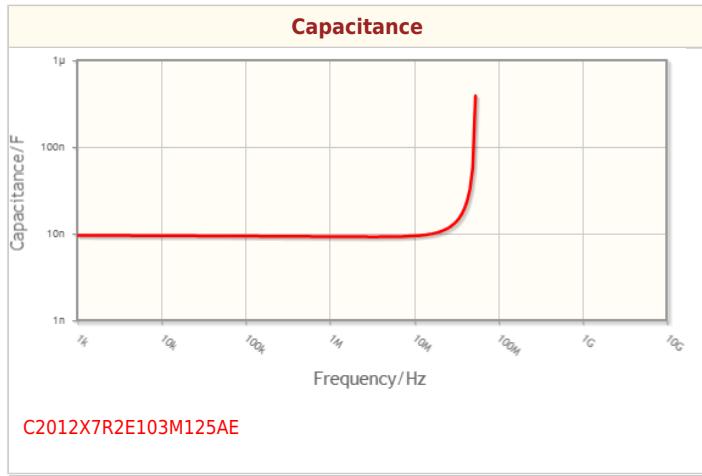
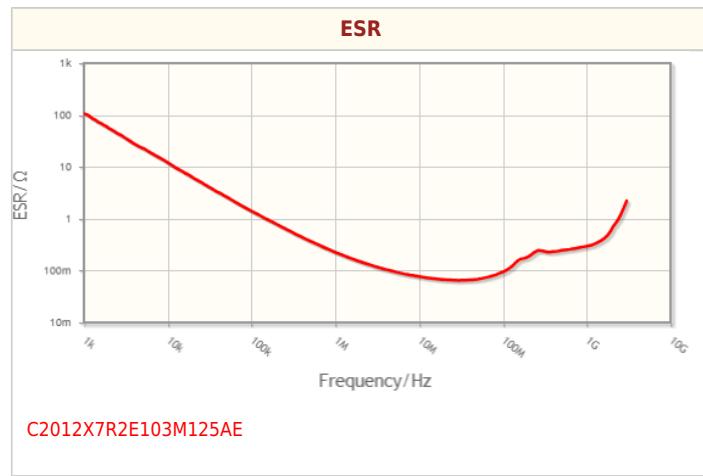
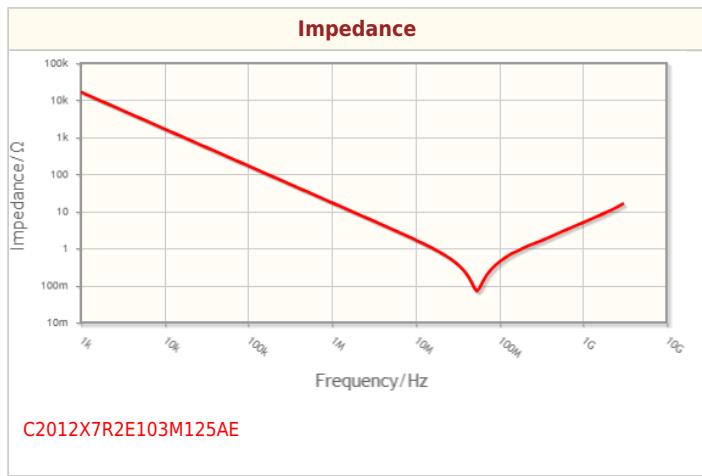
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Package Quantity

2000pcs

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

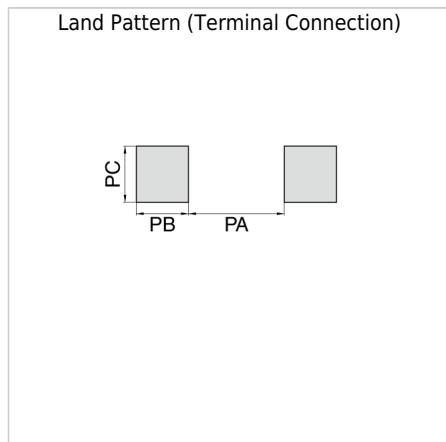


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Associated Images



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