

## Product Status

Production

## TDK Item Description

C2012X7R2E103KT\*\*\*S

## Applications

Commercial Grade

Please refer to Part No. [CGA4J3X7R2E103K125AE](#) for Automotive use.

## Feature

Mid Voltage (100 to 630V)

Soft Termination

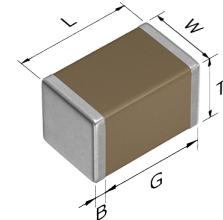
## Series

C2012 [EIA 0805]

## Brand

TDK

## Environmental Compliance



## 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 ±10%

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]

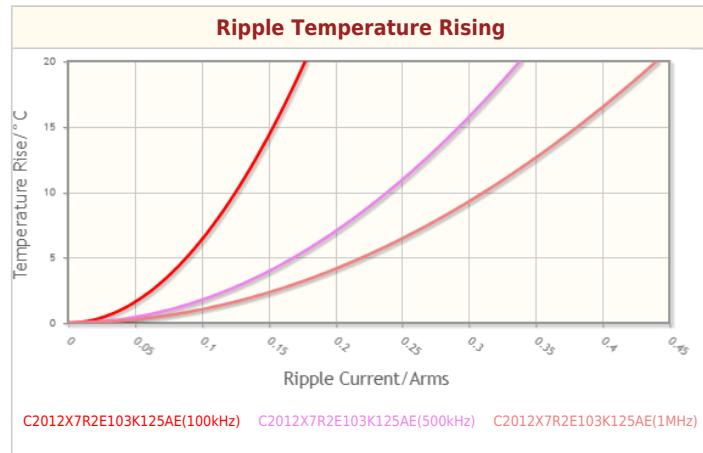
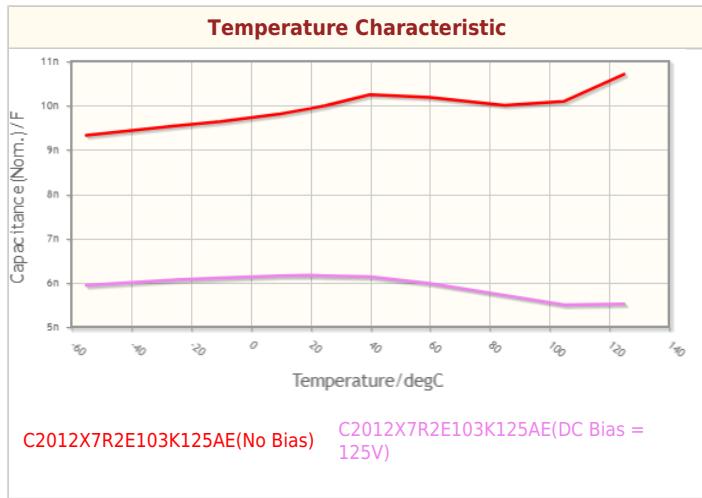
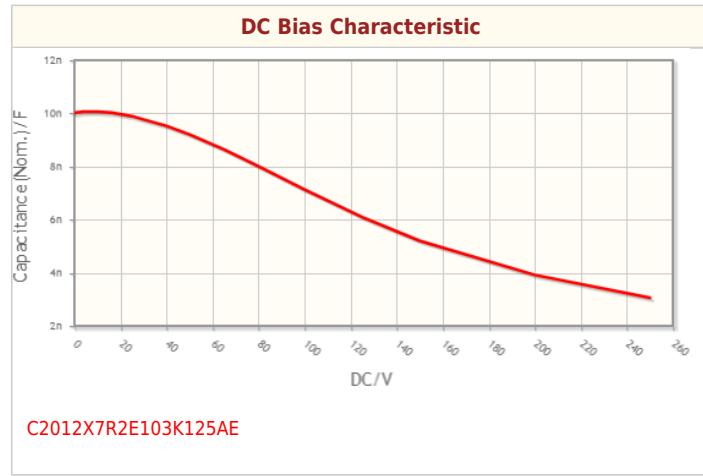
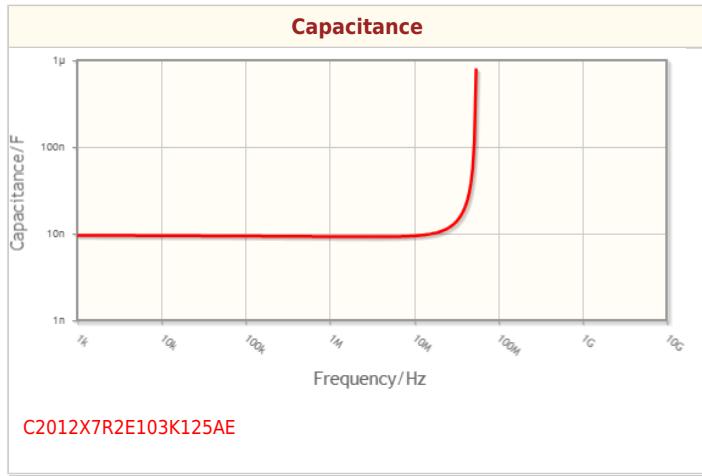
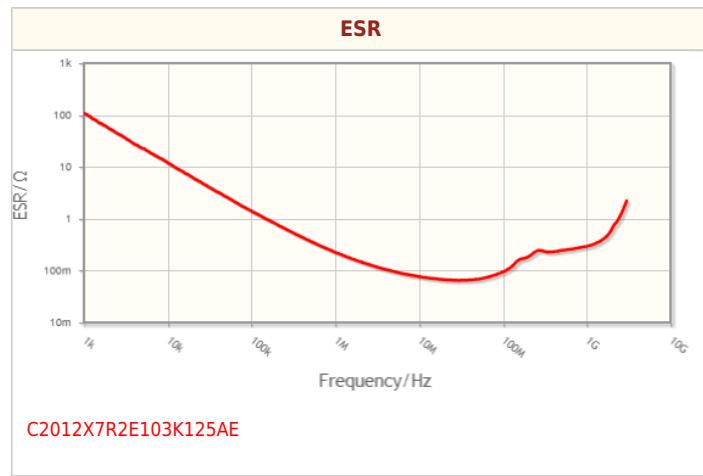
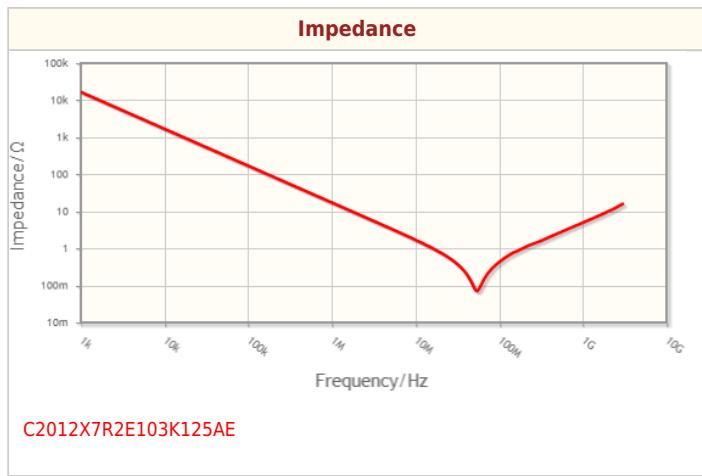
Package Quantity 2000pcs

! 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.)

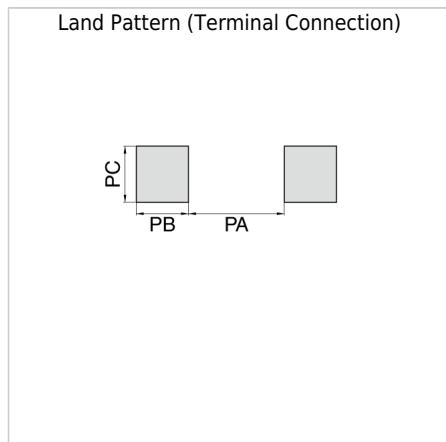


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## Associated Images



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