



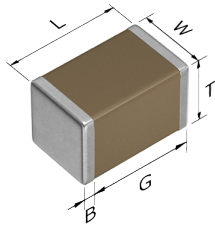



| | |
|--------------------------|---|
| Product Status | Production |
| TDK Item Description | C2012X7R2A104KT**** |
| Applications | Commercial Grade Please refer to Part No. CGA4J2X7R2A104K125AA for Automotive use. |
| Feature | MidMid Voltage (100 to 630V) |
| Series | C2012 [EIA 0805] |
| Brand | 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) | 1.25mm ±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 | 100nF ±10% |
| Rated Voltage | 100VDC |
| Temperature Characteristic | X7R(±15%) |
| Dissipation Factor (Max.) | 3% |
| Insulation Resistance (Min.) | 5000MΩ |

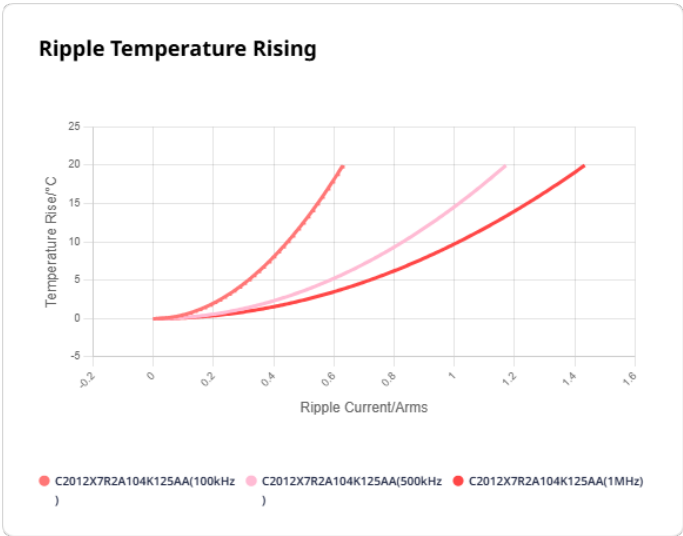
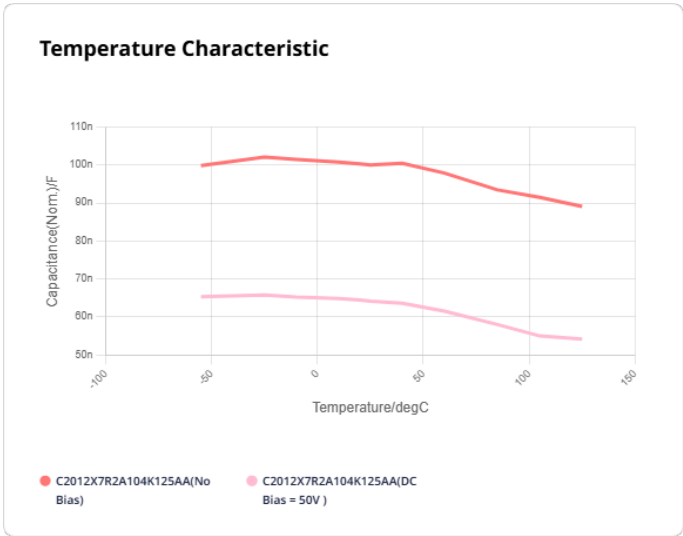
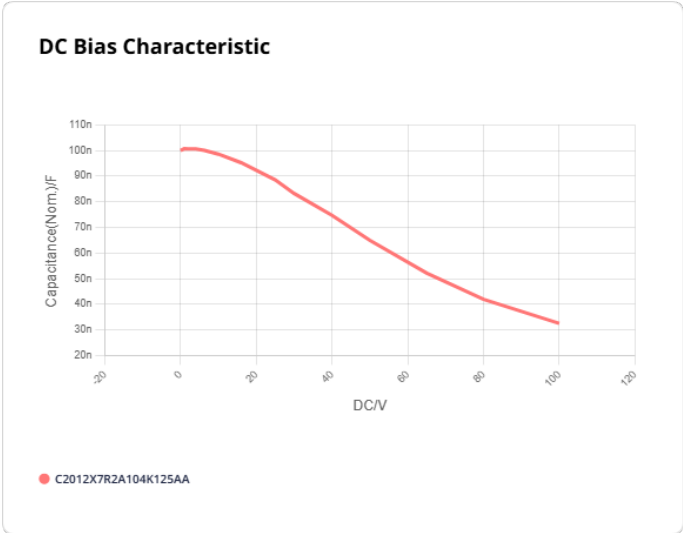
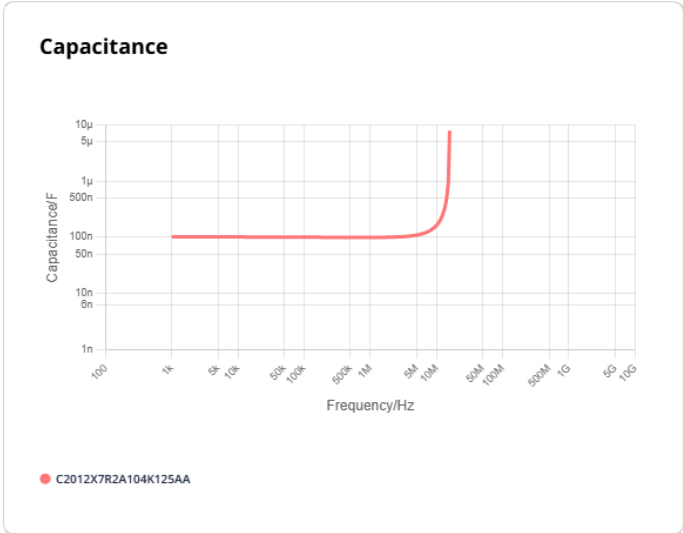
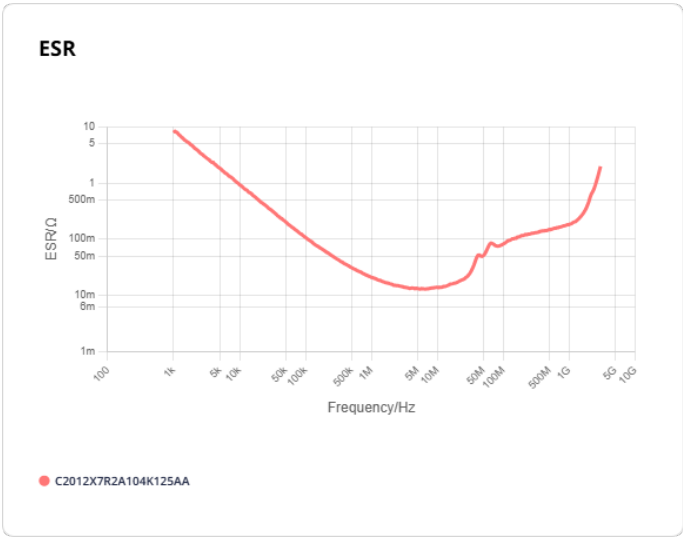
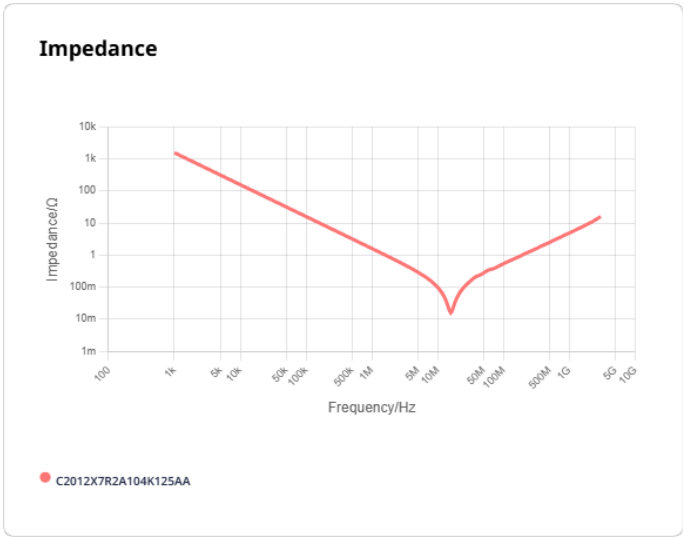
| Other | |
|-----------------------|--|
| Operating Temp. Range | -55 to 125°C |
| Soldering Method | Wave (Flow) Reflow |
| AEC-Q200 | NO |
| Packing | Embossed (Plastic)Taping [180mm Reel] |
| Package Quantity | 2000pcs |
| FIT (Failure In Time) |  This will be displayed when you login to myTDK |

! 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.)



Associated Images

