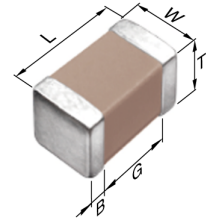


C2012X7R2A102K085AE



TDK item description C2012X7R2A102KT***S

| | |
|---------------------|---|
| Applications | Commercial Grade Please refer to Part No. CGA4F2X7R2A102K085AE for Automotive use. |
| Feature | Mid Voltage (100 to 630V) Soft Termination |
| Series | C2012 [EIA 0805] |
| Status | Production |



Dimensions in mm

| Size | |
|-------------------------------|------------------------------------|
| Length(L) | 2.00mm +0.45,-0.20mm |
| Width(W) | 1.25mm +0.25,-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 | 1nF ±10% |
| Rated Voltage | 100VDC |
| Temperature Characteristic | X7R(±15%) |
| Dissipation Factor (Max.) | 3% |
| Insulation Resistance (Min.) | 10000MΩ |

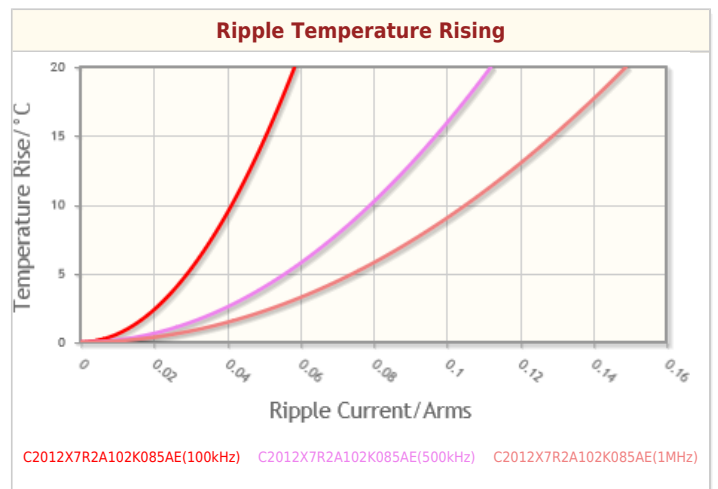
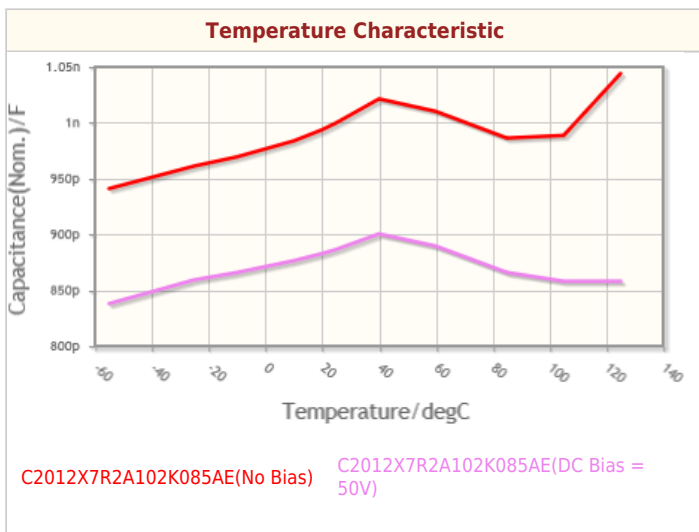
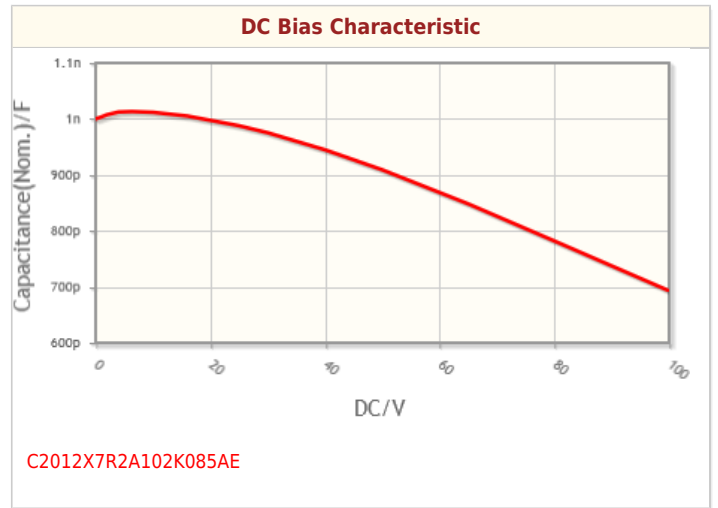
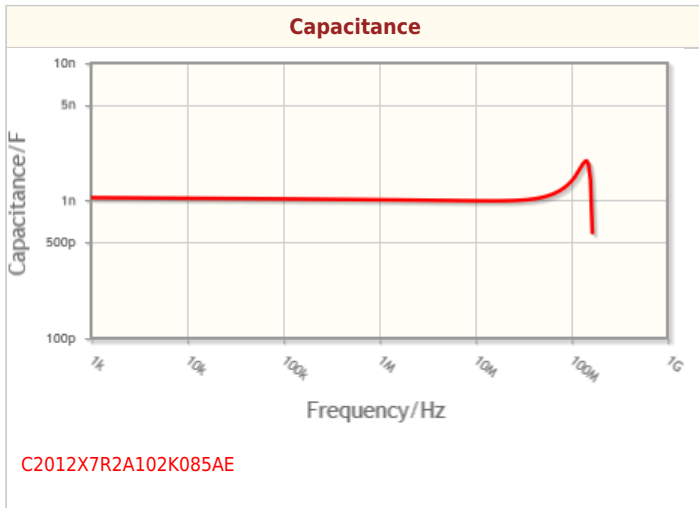
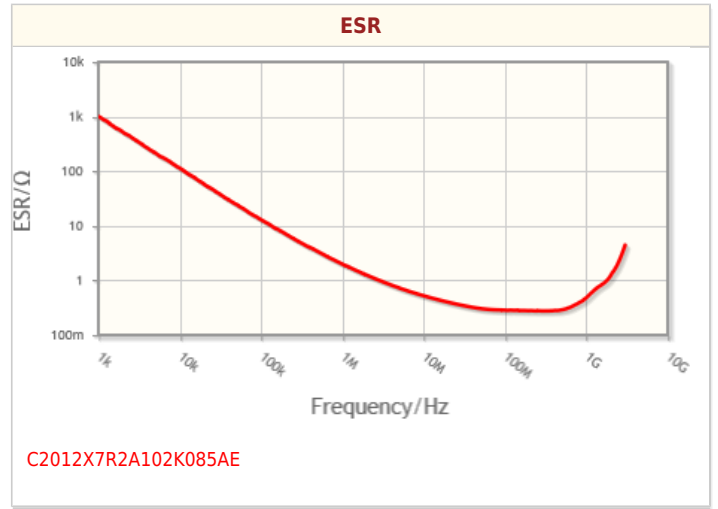
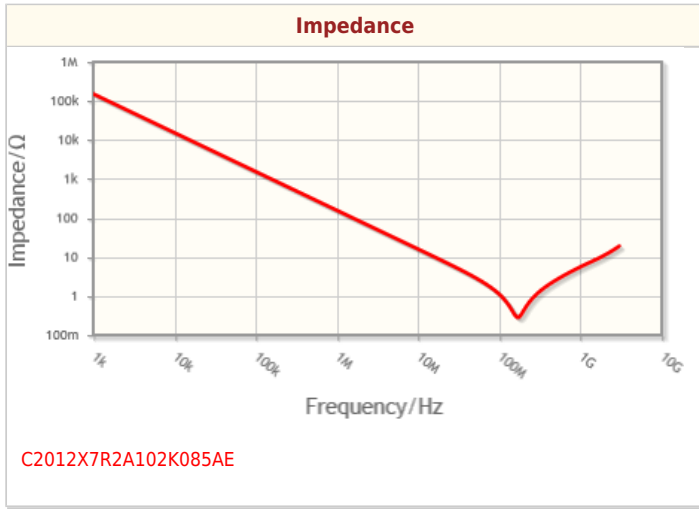
| Other | |
|------------------|------------------------------------|
| Soldering Method | Wave (Flow) |
| | Reflow |
| AEC-Q200 | No |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 4000pcs |

! 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.

C2012X7R2A102K085AE



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



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Associated Images

