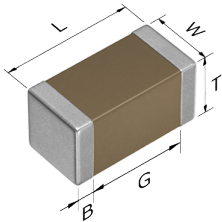


| | |
|--------------------------|---|
| Product Status | Production |
| TDK Item Description | C1608X8R1H223KT**** |
| Applications | Commercial Grade Please refer to Part No. CGA3E2X8R1H223K080AA for Automotive use. |
| Feature | 150°C High Temperature Application |
| Series | C1608 [EIA 0603] |
| Brand | TDK |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div> |



| Size | |
|-------------------------------|--|
| Length(L) | 1.60mm ±0.10mm |
| Width(W) | 0.80mm ±0.10mm |
| Thickness(T) | 0.80mm ±0.10mm |
| Terminal Width(B) | 0.20mm Min. |
| Terminal Spacing(G) | 0.30mm Min. |
| Recommended Land Pattern (PA) | 0.70mm to 1.00mm(Flow Soldering) 0.60mm to 0.80mm(Reflow Soldering) |
| Recommended Land Pattern (PB) | 0.80mm to 1.00mm(Flow Soldering) 0.60mm to 0.80mm(Reflow Soldering) |
| Recommended Land Pattern (PC) | 0.60mm to 0.80mm(Flow Soldering) 0.60mm to 0.80mm(Reflow Soldering) |

| Electrical Characteristics | |
|------------------------------|-----------|
| Capacitance | 22nF ±10% |
| Rated Voltage | 50VDC |
| Temperature Characteristic | X8R(±15%) |
| Dissipation Factor (Max.) | 3% |
| Insulation Resistance (Min.) | 10000MΩ |

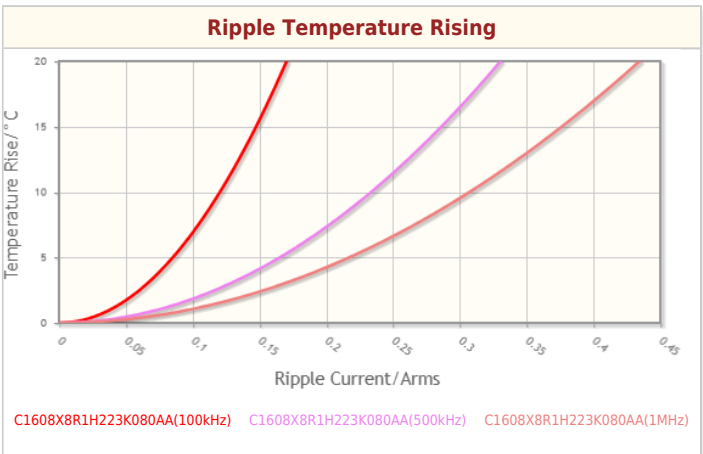
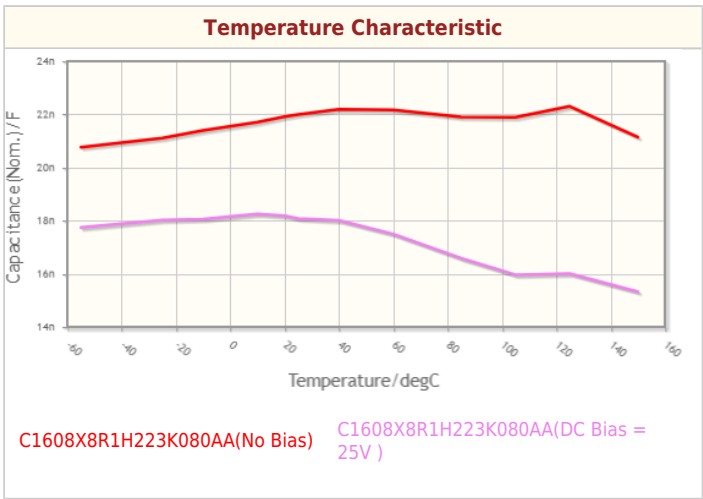
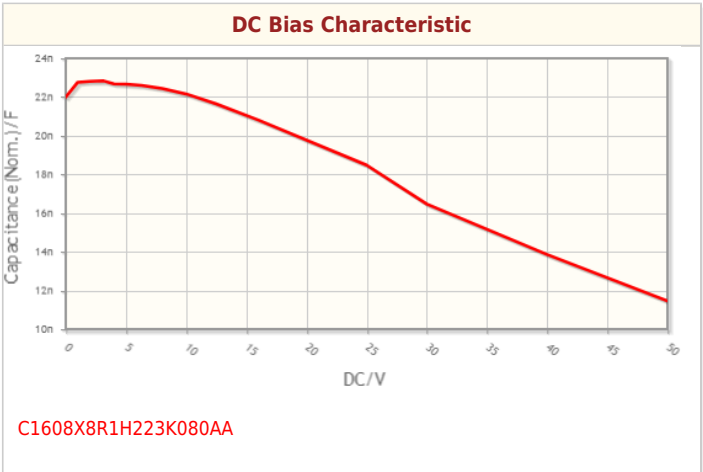
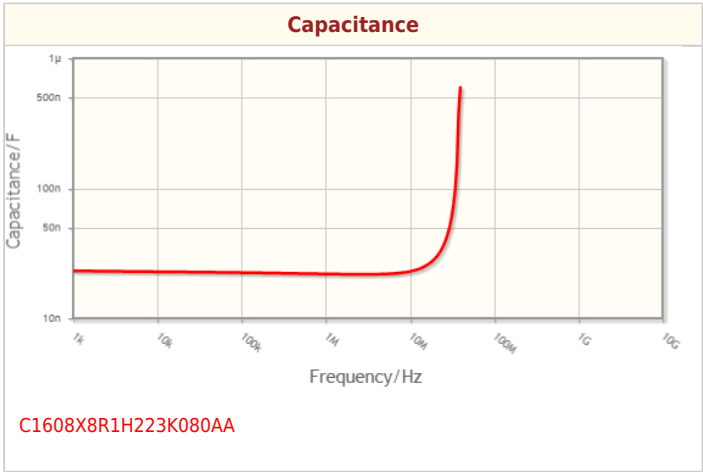
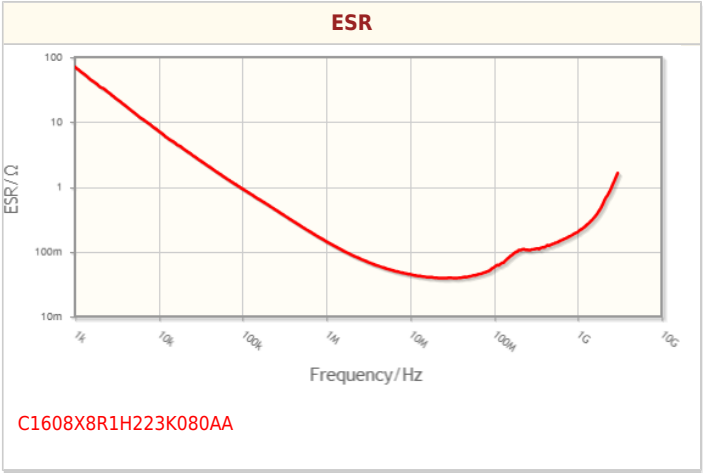
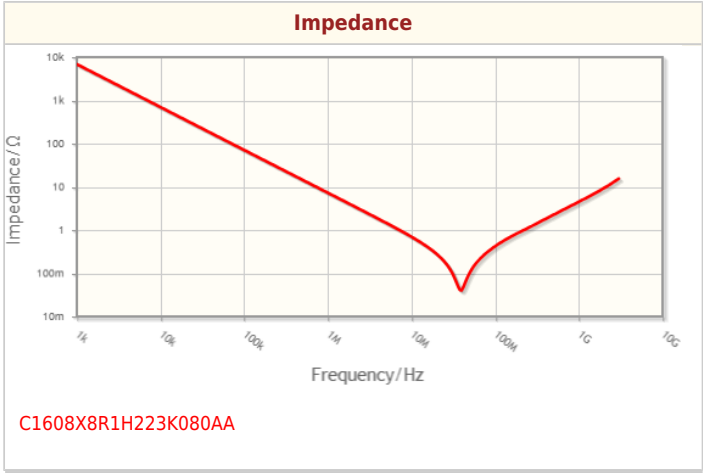
| Other | |
|-----------------------|------------------------------------|
| Operating Temp. Range | -55 to 150°C |
| Soldering Method | Wave (Flow) Reflow |
| AEC-Q200 | NO |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 4000pcs |

! 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.

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



Associated Images

