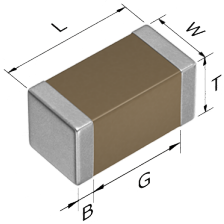


|                          |   |
|--------------------------|---|
| Product Status           | Production  |
| TDK Item Description     | C1608X7R2A222KT****   |
| Applications             | Commercial Grade<br>Please refer to Part No. <a href="#">CGA3E2X7R2A222K080AA</a> for Automotive use. |
| Feature                  | MidMid Voltage (100 to 630V)  |
| 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)<br>0.60mm to 0.80mm(Reflow Soldering) |
| Recommended Land Pattern (PB) | 0.80mm to 1.00mm(Flow Soldering)<br>0.60mm to 0.80mm(Reflow Soldering) |
| Recommended Land Pattern (PC) | 0.60mm to 0.80mm(Flow Soldering)<br>0.60mm to 0.80mm(Reflow Soldering) |

| Electrical Characteristics   |            |
|------------------------------|------------|
| Capacitance                  | 2.2nF ±10% |
| Rated Voltage                | 100VDC     |
| Temperature Characteristic   | X7R(±15%)  |
| Dissipation Factor (Max.)    | 3%         |
| Insulation Resistance (Min.) | 10000MΩ    |

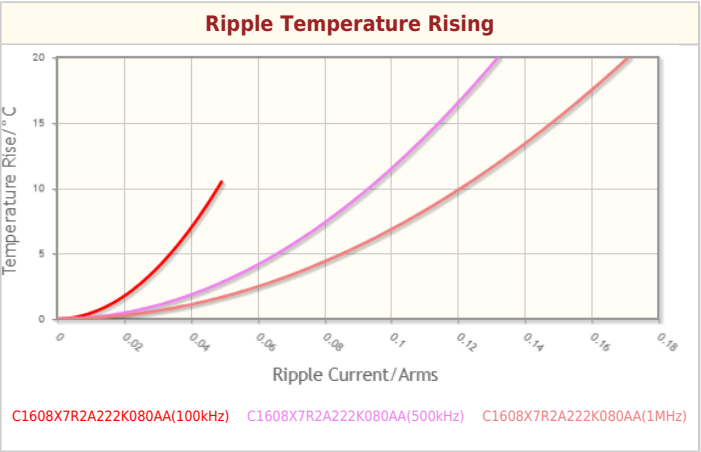
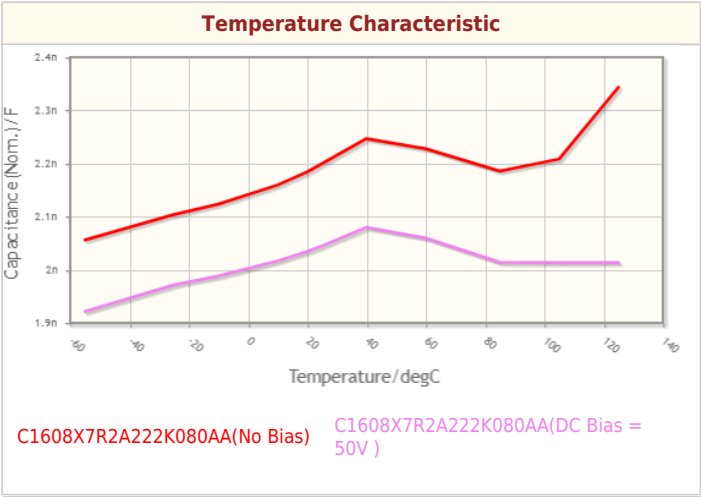
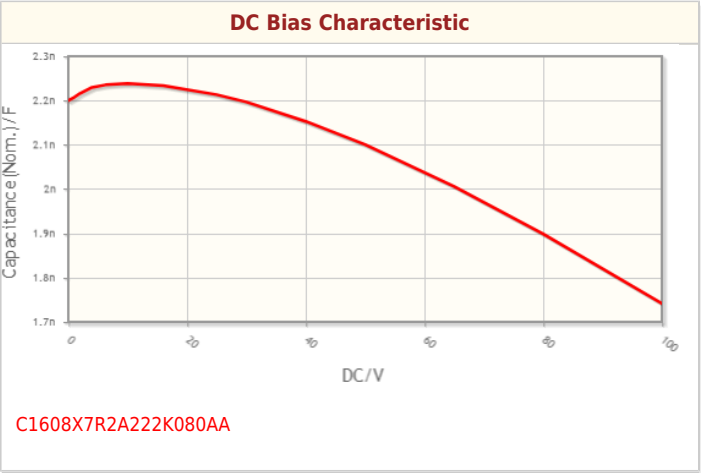
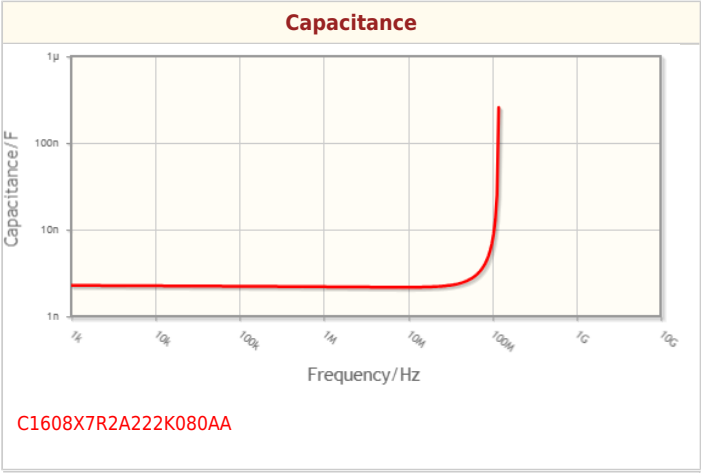
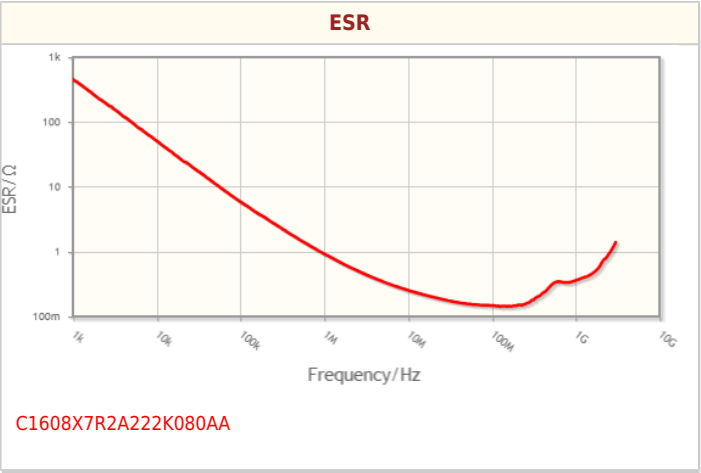
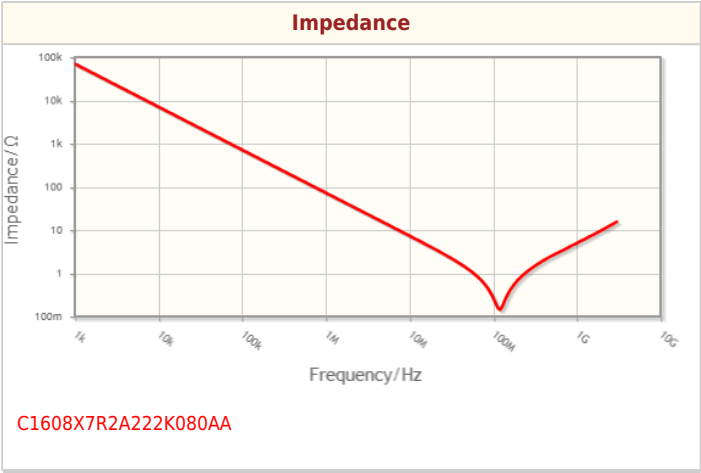
| Other                 |                                    |
|-----------------------|------------------------------------|
| Operating Temp. Range | -55 to 125°C                       |
| Soldering Method      | Wave (Flow)<br>Reflow              |
| AEC-Q200              | NO                                 |
| 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

