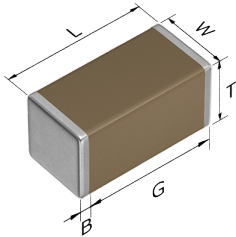


|                          |                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------|
| Product Status           | Production                                                                                            |
| TDK Item Description     | C3216X7R2A224KT****                                                                                   |
| Applications             | Commercial Grade<br>Please refer to Part No. <a href="#">CGA5H2X7R2A224K115AA</a> for Automotive use. |
| Feature                  | MidMid Voltage (100 to 630V)                                                                          |
| Series                   | C3216 [EIA 1206]                                                                                      |
| Brand                    | TDK                                                                                                   |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div>                 |



| Size                          |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| Length(L)                     | 3.20mm ±0.20mm                                                         |
| Width(W)                      | 1.60mm ±0.20mm                                                         |
| Thickness(T)                  | 1.15mm ±0.15mm                                                         |
| Terminal Width(B)             | 0.20mm Min.                                                            |
| Terminal Spacing(G)           | 1.00mm Min.                                                            |
| Recommended Land Pattern (PA) | 2.10mm to 2.50mm(Flow Soldering)<br>2.00mm to 2.40mm(Reflow Soldering) |
| Recommended Land Pattern (PB) | 1.10mm to 1.30mm(Flow Soldering)<br>1.00mm to 1.20mm(Reflow Soldering) |
| Recommended Land Pattern (PC) | 1.00mm to 1.30mm(Flow Soldering)<br>1.10mm to 1.60mm(Reflow Soldering) |

| Electrical Characteristics   |            |
|------------------------------|------------|
| Capacitance                  | 220nF ±10% |
| Rated Voltage                | 100VDC     |
| Temperature Characteristic   | X7R(±15%)  |
| Dissipation Factor (Max.)    | 3%         |
| Insulation Resistance (Min.) | 2272MΩ     |

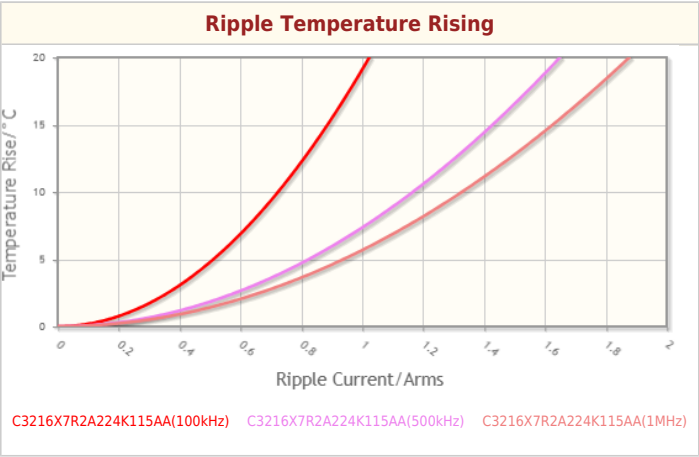
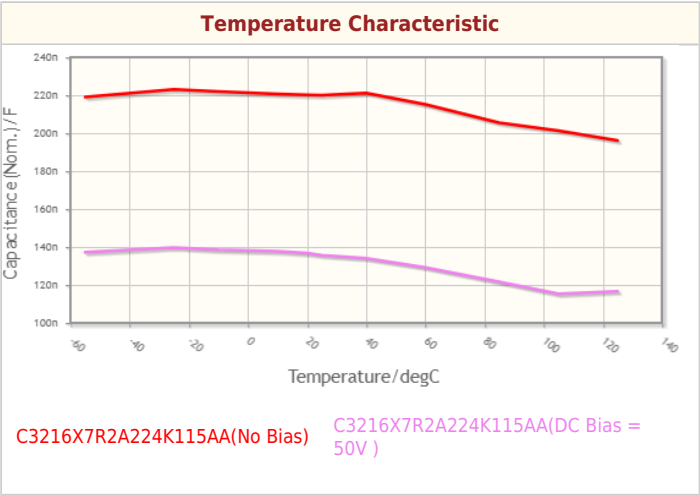
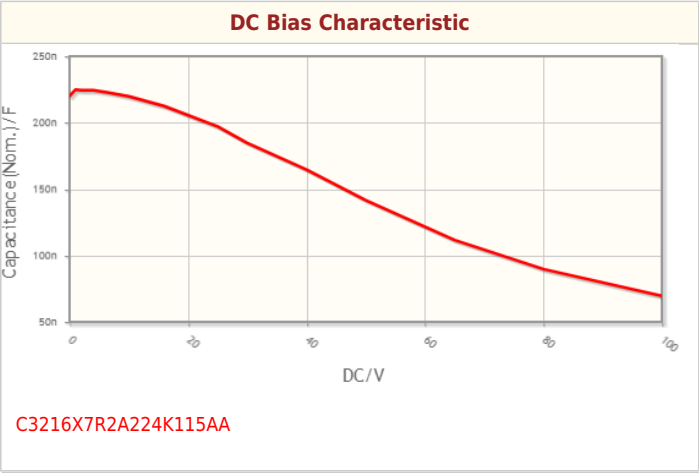
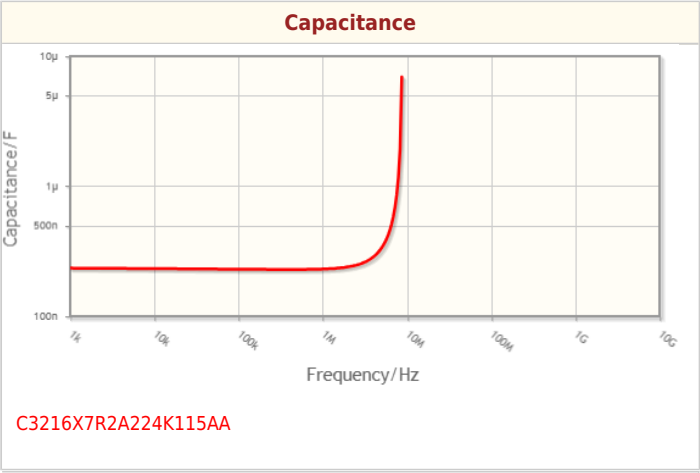
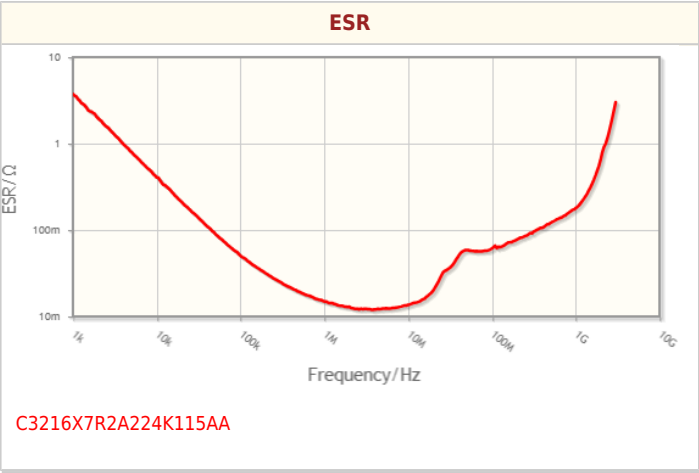
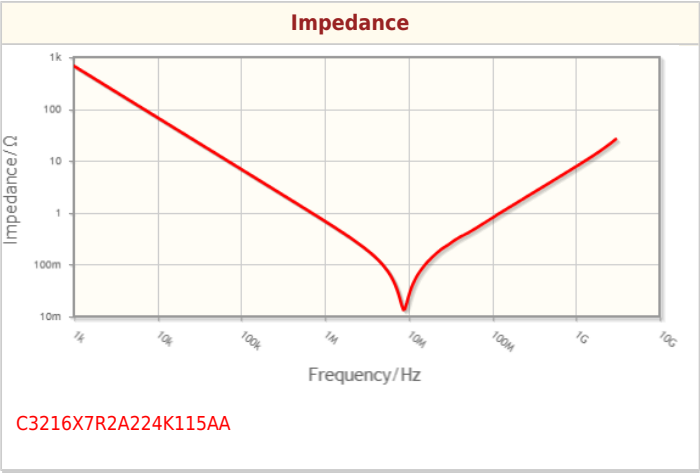
| Other                 |                                       |
|-----------------------|---------------------------------------|
| Operating Temp. Range | -55 to 125°C                          |
| Soldering Method      | Wave (Flow)<br>Reflow                 |
| AEC-Q200              | NO                                    |
| Packing               | Embossed (Plastic)Taping [180mm Reel] |
| Package Quantity      | 2000pcs                               |

! 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

