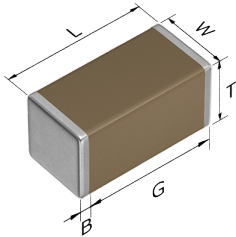


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Status           | Production                                                                                                                                                                                                                                                                                                                                                                                                                |
| TDK Item Description     | CGA5L1X8L1C106KT****                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applications             | Automotive Grade                                                                                                                                                                                                                                                                                                                                                                                                          |
| Feature                  | AEC-Q200AEC-Q200<br>150°CHigh Temperature Application                                                                                                                                                                                                                                                                                                                                                                     |
| Series                   | CGA5(3216) [EIA 1206]                                                                                                                                                                                                                                                                                                                                                                                                     |
| Brand                    | TDK                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div> |



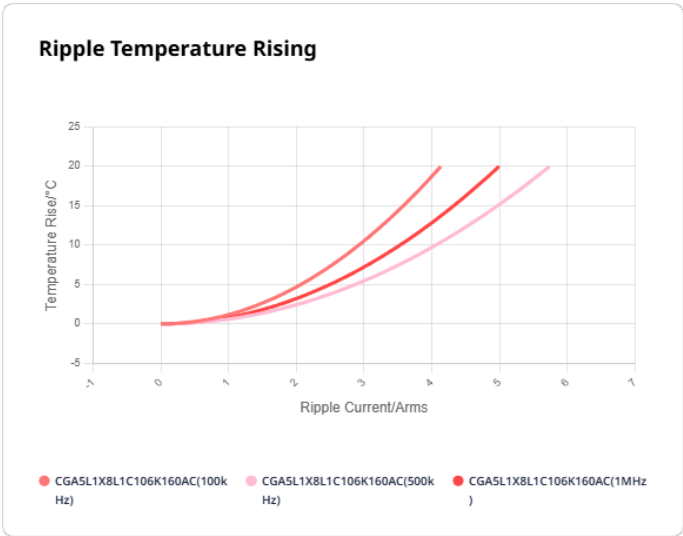
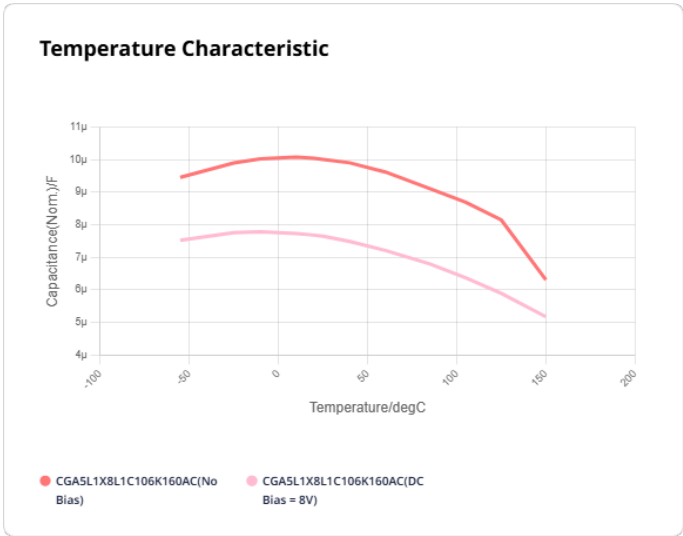
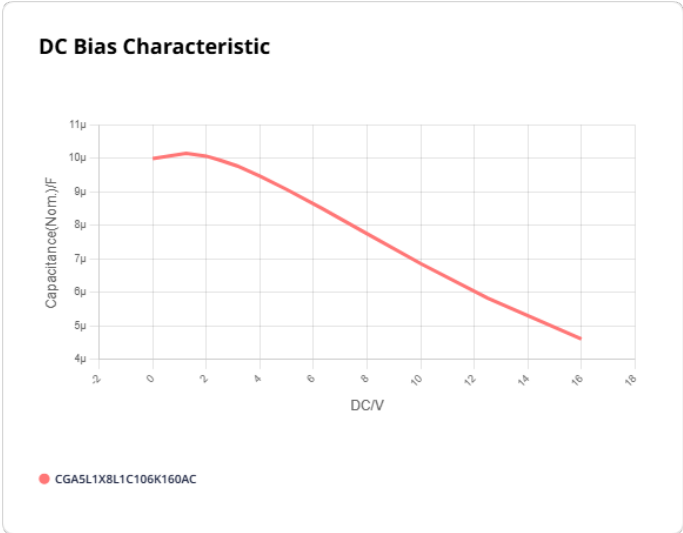
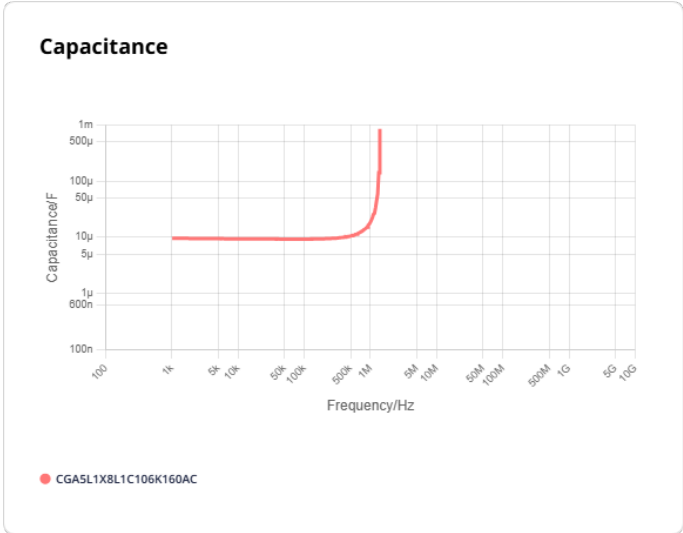
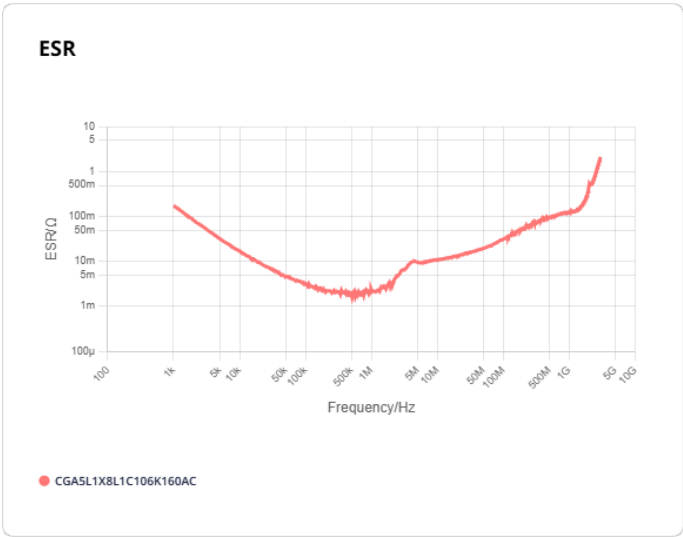
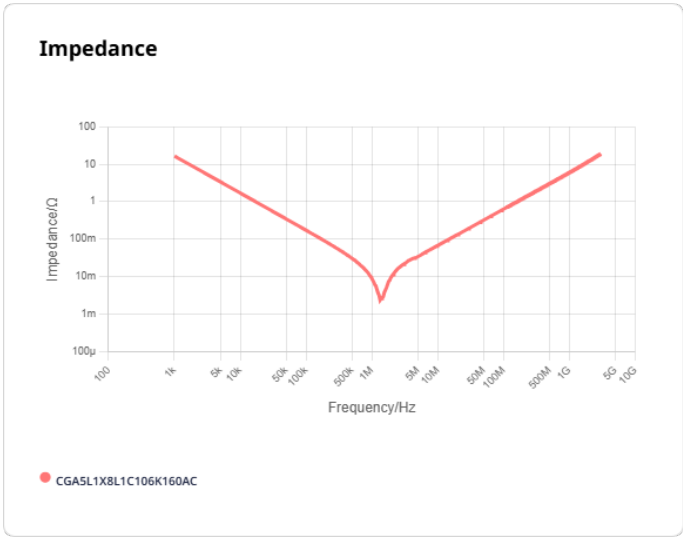
| Size                          |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| Length(L)                     | 3.20mm +0.30,-0.10mm                                                   |
| Width(W)                      | 1.60mm +0.30,-0.10mm                                                   |
| Thickness(T)                  | 1.60mm +0.30,-0.10mm                                                   |
| 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                  | 10μF ±10%     |
| Rated Voltage                | 16VDC         |
| Temperature Characteristic   | X8L(+15,-40%) |
| Dissipation Factor (Max.)    | 5%            |
| Insulation Resistance (Min.) | 10MΩ          |

| Other                 |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temp. Range | -55 to 150°C                                                                                                                                       |
| Soldering Method      | Wave (Flow)<br>Reflow                                                                                                                              |
| AEC-Q200              | YES                                                                                                                                                |
| Packing               | Embossed (Plastic)Taping [180mm Reel]                                                                                                              |
| Package Quantity      | 2000pcs                                                                                                                                            |
| FIT (Failure In Time) |  This will be displayed when you <a href="#">login</a> 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

