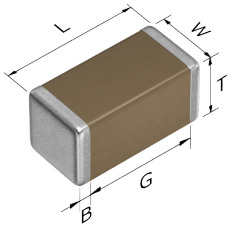


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Status           | Production                                                                                                                                                                                                                                                                                                                                                                                                                |
| TDK Item Description     | CGA2B3X7R1H104KT***S                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applications             | Automotive Grade                                                                                                                                                                                                                                                                                                                                                                                                          |
| Feature                  | AEC-Q200AEC-Q200<br>SoftSoft Termination                                                                                                                                                                                                                                                                                                                                                                                  |
| Series                   | CGA2(1005) [EIA 0402]                                                                                                                                                                                                                                                                                                                                                                                                     |
| Brand                    | TDK                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div> |



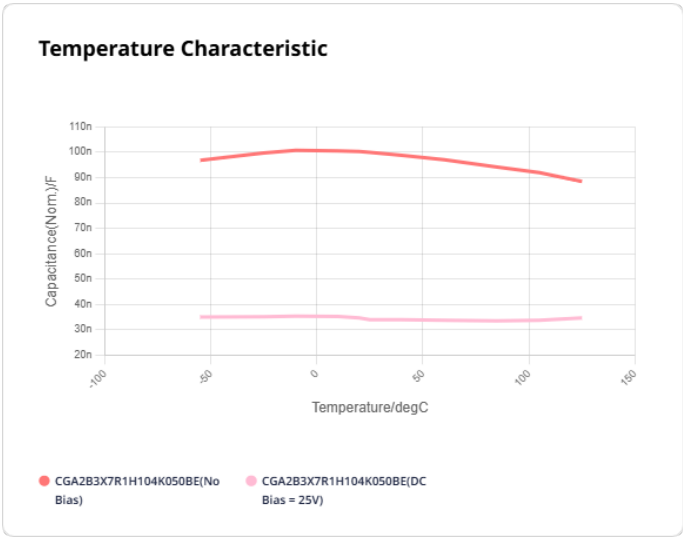
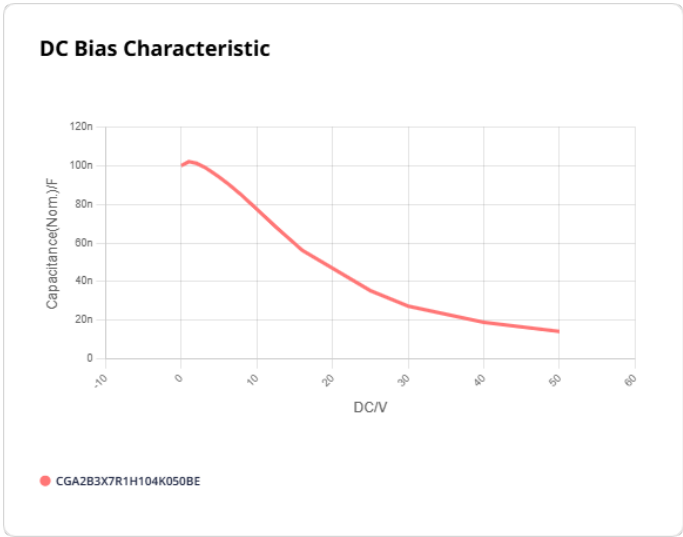
| Size                          |                      |
|-------------------------------|----------------------|
| Length(L)                     | 1.00mm +0.15,-0.05mm |
| Width(W)                      | 0.50mm +0.10,-0.05mm |
| Thickness(T)                  | 0.50mm +0.10,-0.05mm |
| Terminal Width(B)             | 0.10mm Min.          |
| Terminal Spacing(G)           | 0.30mm Min.          |
| Recommended Land Pattern (PA) | 0.30mm to 0.50mm     |
| Recommended Land Pattern (PB) | 0.35mm to 0.45mm     |
| Recommended Land Pattern (PC) | 0.40mm to 0.60mm     |

| Electrical Characteristics   |            |
|------------------------------|------------|
| Capacitance                  | 100nF ±10% |
| Rated Voltage                | 50VDC      |
| Temperature Characteristic   | X7R(±15%)  |
| Dissipation Factor (Max.)    | 5%         |
| Insulation Resistance (Min.) | 5000MΩ     |

| Other                 |                                    |
|-----------------------|------------------------------------|
| Operating Temp. Range | -55 to 125°C                       |
| Soldering Method      | Reflow                             |
| AEC-Q200              | YES                                |
| Packing               | Punched (Paper)Taping [180mm Reel] |
| Package Quantity      | 10000pcs                           |

! 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

