

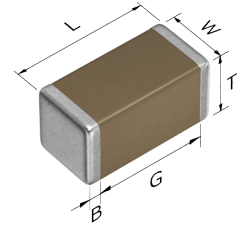
**TDK item description** CGA2B2X8R1E103KT\*\*\*\*

**Applications** Automotive Grade

**Feature** AEC-Q200  
 150°C High Temperature Application

**Series** CGA2(1005) [EIA 0402]

**Status** Production



#### Size

|                               |                  |
|-------------------------------|------------------|
| Length(L)                     | 1.00mm ±0.05mm   |
| Width(W)                      | 0.50mm ±0.05mm   |
| Thickness(T)                  | 0.50mm ±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 |

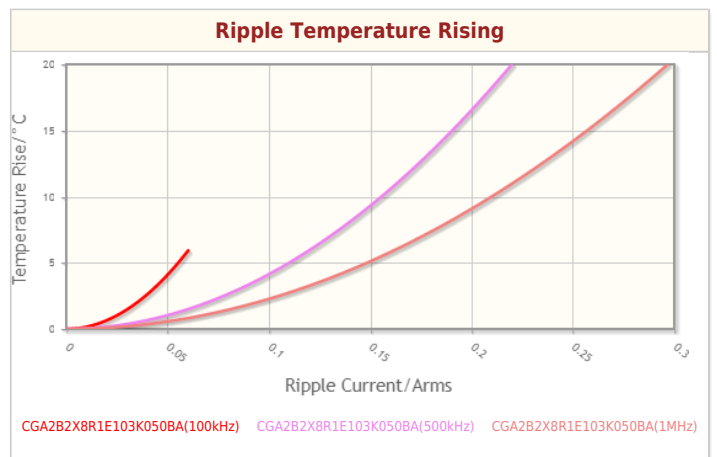
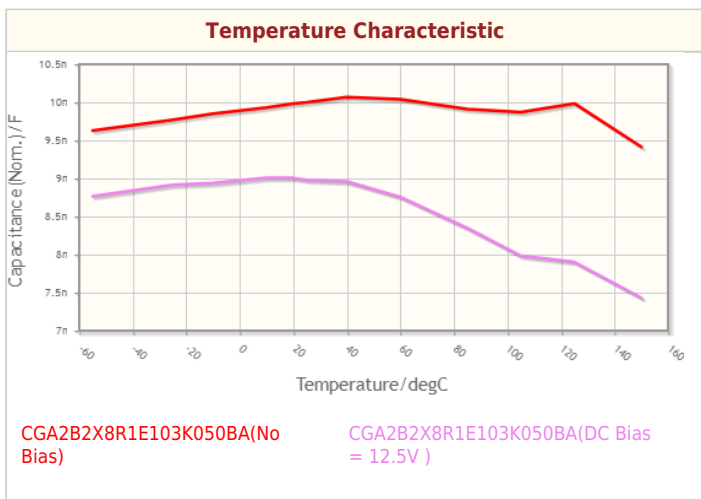
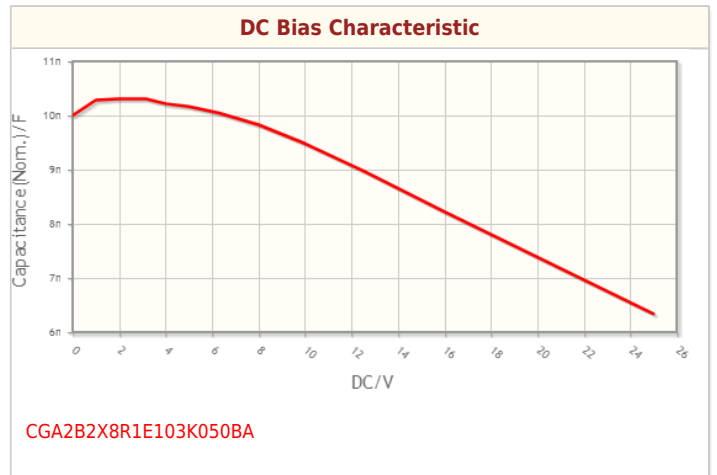
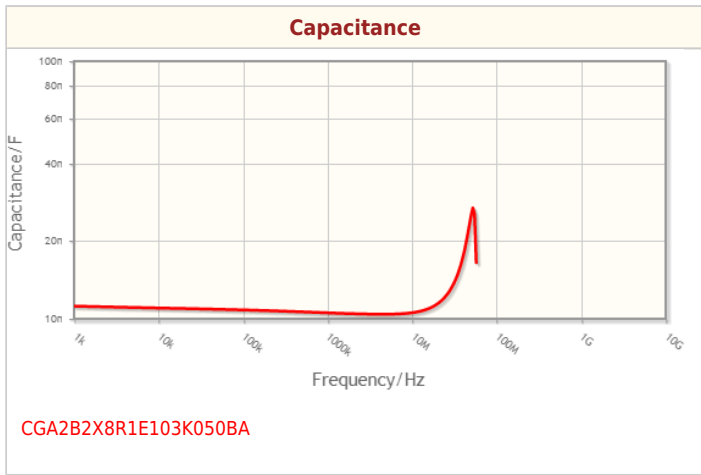
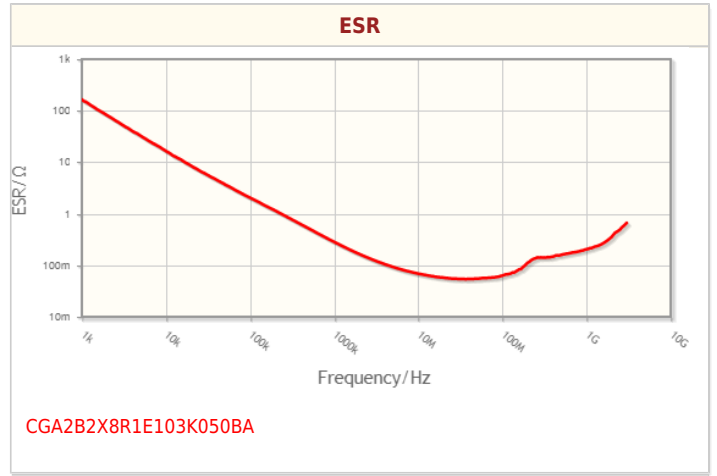
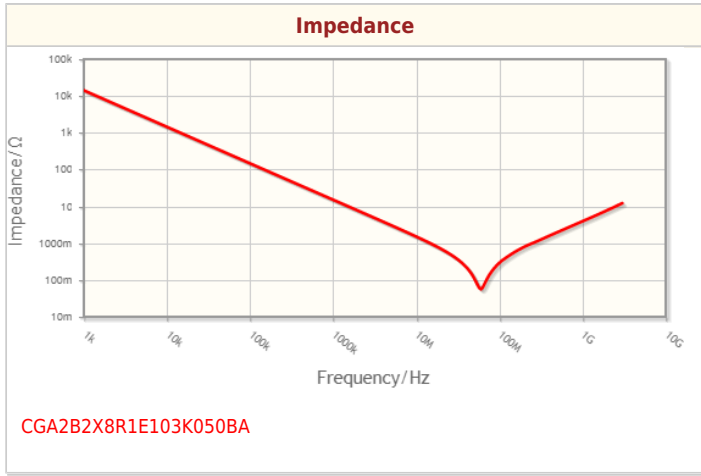
#### Electrical Characteristics

|                              |           |
|------------------------------|-----------|
| Capacitance                  | 10nF ±10% |
| Rated Voltage                | 25VDC     |
| Temperature Characteristic   | X8R(±15%) |
| Dissipation Factor (Max.)    | 3%        |
| Insulation Resistance (Min.) | 10000MΩ   |

#### Other

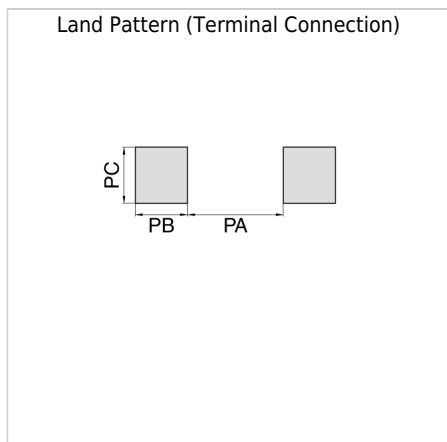
|                  |                                    |
|------------------|------------------------------------|
| Soldering Method | Reflow                             |
| AEC-Q200         | YES                                |
| Packing          | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000pcs                           |

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



! Images are for reference only and show exemplary products.  
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## Associated Images



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