

Product Status

Production

TDK Item Description

CGA5L2X8R1E105KT***B

Applications

Automotive Grade

AEC-Q200

Feature

150°C High Temperature Application

GlueConductive Epoxy Application

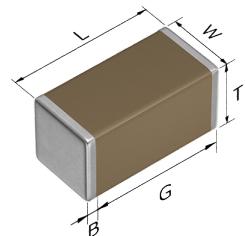
Series

CGA5(3216) [EIA 1206]

Brand

TDK

Environmental Compliance



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 |
| Recommended Land Pattern (PB) | 1.10mm to 1.30mm |
| Recommended Land Pattern (PC) | 1.00mm to 1.30mm |

Electrical Characteristics

| | |
|------------------------------|----------------|
| Capacitance | 1 μ F ±10% |
| Rated Voltage | 25VDC |
| Temperature Characteristic | X8R(±15%) |
| Dissipation Factor (Max.) | 3% |
| Insulation Resistance (Min.) | 500M Ω |

Other

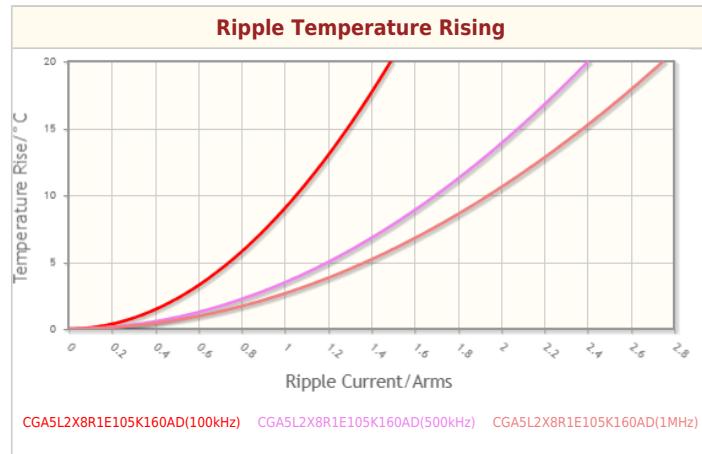
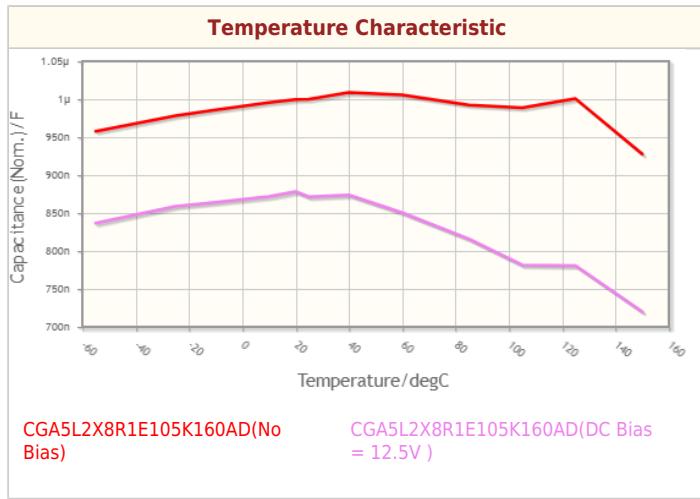
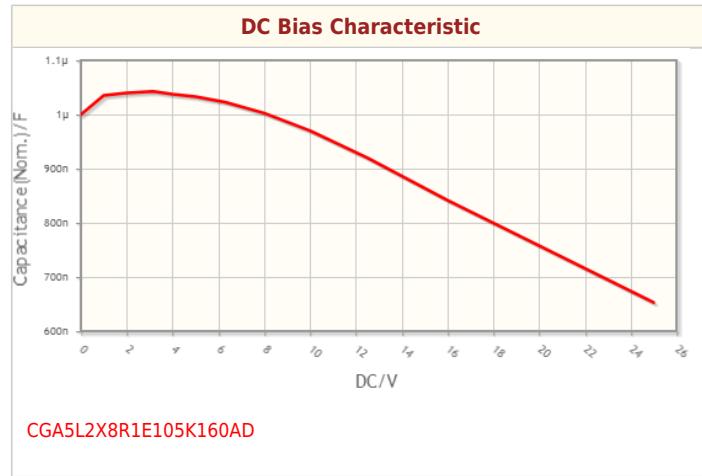
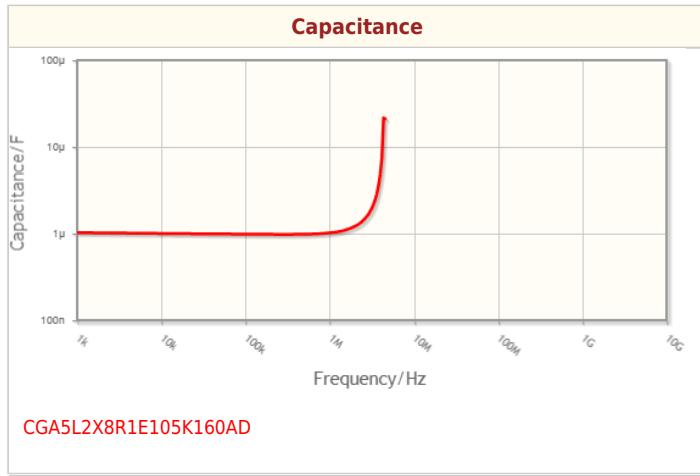
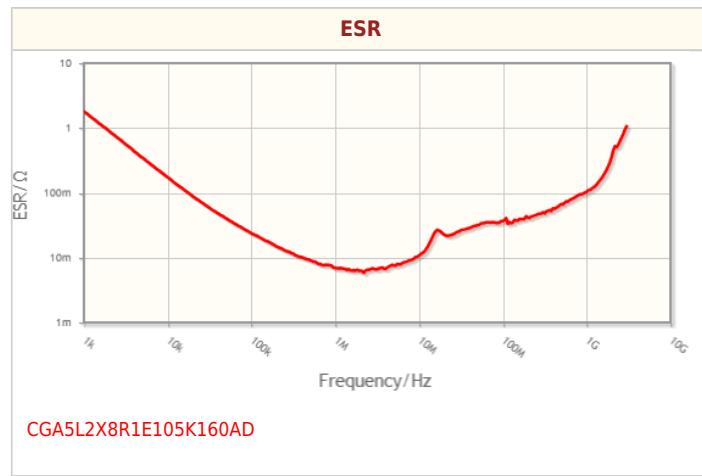
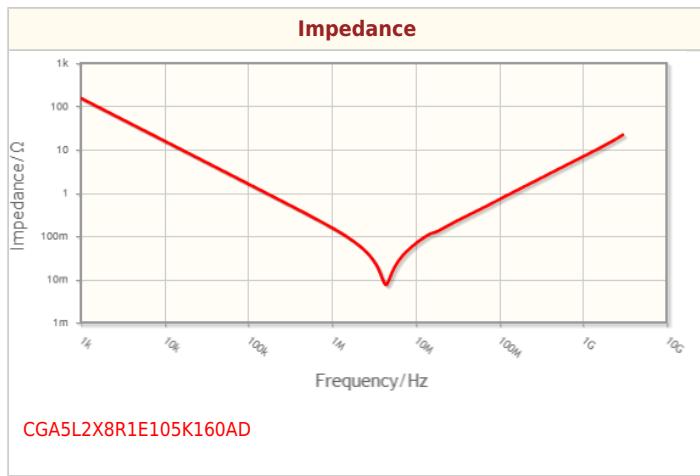
| | |
|-----------------------|---------------------------------------|
| Operating Temp. Range | -55 to 150°C |
| Soldering Method | Conductive Epoxy |
| AEC-Q200 | YES |
| Packing | Embossed (Plastic)Taping [180mm Reel] |
| Package Quantity | 2000pcs |

! 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.)



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