

Spec Sheet

High Frequency Medium-High Voltage MLCC for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

QVS107CG7R5CCHT



■ Features

- Item Summary
7.5pF \pm 0.25pF, 250V,
C0G/CG, 0603/1608 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Paper 4000pcs

■ Products characteristics table

| | |
|---|---------------------|
| Capacitance | 7.5 pF \pm 0.25pF |
| Case Size (EIA/JIS) | 0603/1608 |
| Rated Voltage | 250 V |
| Q (min) | 950 at 1MHz |
| Temperature Characteristic (EIA) | C0G |
| Operating Temp. Range (EIA) | -55 to +125 °C |
| Temperature Characteristic (JIS) | CG |
| Operating Temp. Range (JIS) | -55 to +125 °C |
| Temperature Characteristic | 0 \pm 30 ppm/°C |
| High Temperature Loading (% Rated Voltage) | 200 % |
| Insulation Resistance (min) | 10 G Ω |
| RoHS Compliance (10 subst.) | Yes |
| REACH Compliance (209 subst.) | Yes |
| Halogen Free | Yes |
| Soldering | Reflow |

■ External Dimensions

| | |
|-------------|--------------------|
| Dimension L | 1.6 \pm 0.10 mm |
| Dimension W | 0.8 \pm 0.10 mm |
| Dimension T | 0.7 \pm 0.10 mm |
| Dimension e | 0.35 \pm 0.25 mm |

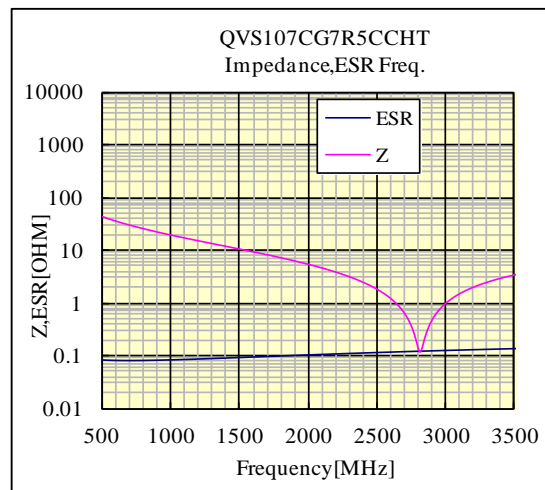
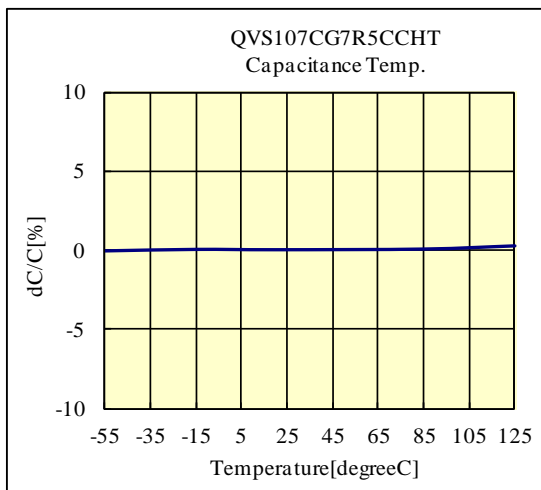
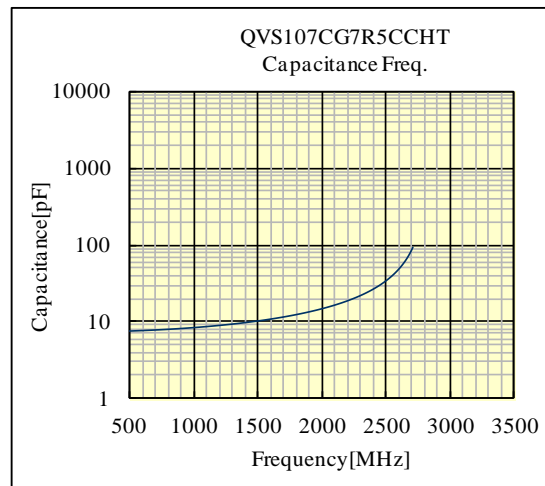
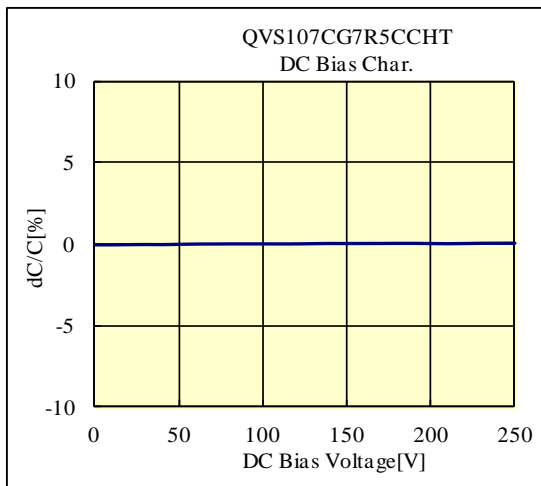
The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the data at any time without notice.
Before making final selection, please check product specification.

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250V 1608 CG/C0G 7.5pF +/- 0.25pF t=0.8mmMAX

250V 0603 CG/C0G 7.5pF +/- 0.25pF t=0.031inchMAX



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Please read this notice before using the TAIYO YUDEN products.



REMINDERS

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- The product listed in this spec sheet is intended for use in general electronic equipment (e.g., AV equipment, OA equipment, home electric appliances, office equipment, information and communication equipment), medical equipment classified as Class I or II by IMDRF, industrial equipment, and automotive interior applications, etc. Please be sure to contact TAIYO YUDEN for further information before using the product for any equipment which may directly cause loss of human life or bodily injury (e.g., transportation equipment including, without limitation, automotive powertrain control system, train control system, and ship control system, traffic signal equipment, medical equipment classified as Class III by IMDRF).

Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment*, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

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When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.

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[>>Taiyo Yuden\(太阳诱电\)](#)