

Spec Sheet

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

QVS107CG010BCHT



■ Features

- Item Summary
1pF±0.1pF, 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 | 1 pF ± 0.1pF |
| Case Size (EIA/JIS) | 0603/1608 |
| Rated Voltage | 250 V |
| Q (min) | 820 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 ±30 ppm/°C |
| High Temperature Loading (% Rated Voltage) | 200 % |
| Insulation Resistance (min) | 10 GΩ |
| RoHS Compliance (10 subst.) | Yes |
| REACH Compliance (209 subst.) | Yes |
| Halogen Free | Yes |
| Soldering | Reflow |

■ External Dimensions

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

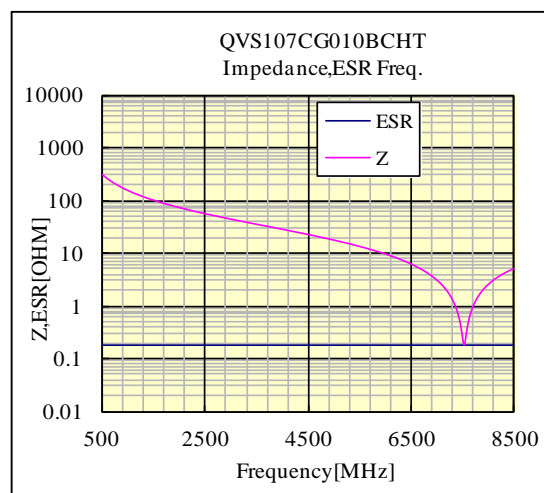
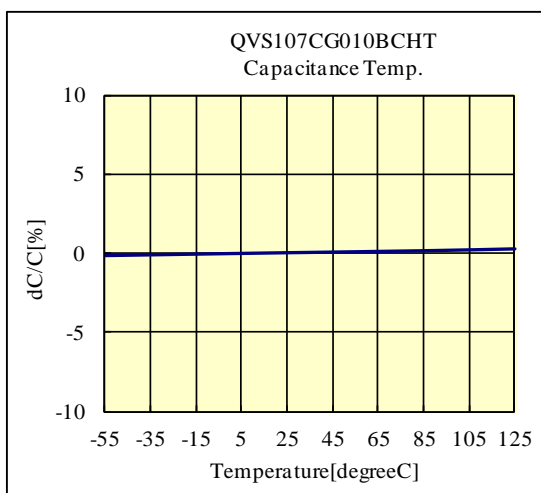
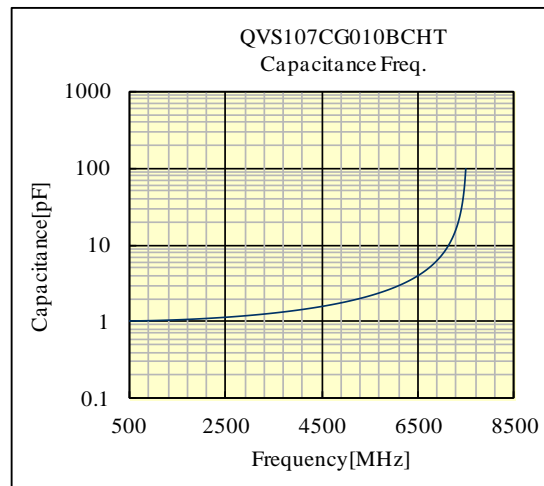
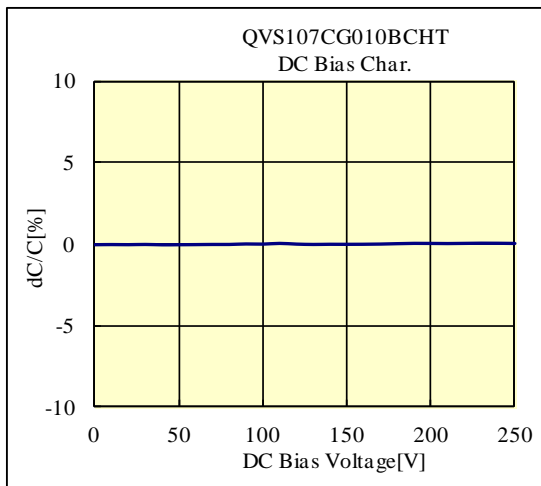
2021.09.29

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 1pF +/- 0.1pF t=0.8mmMAX

250V 0603 CG/C0G 1pF +/- 0.1pF t=0.031inchMAX



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Please read this notice before using the TAIYO YUDEN products.



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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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