

Spec Sheet

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

QVS107CG010CCHT



■ Features

- Item Summary
1pF±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	1 pF ± 0.25pF
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

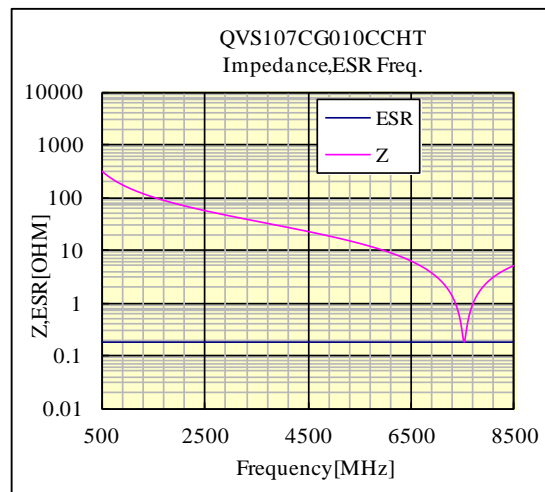
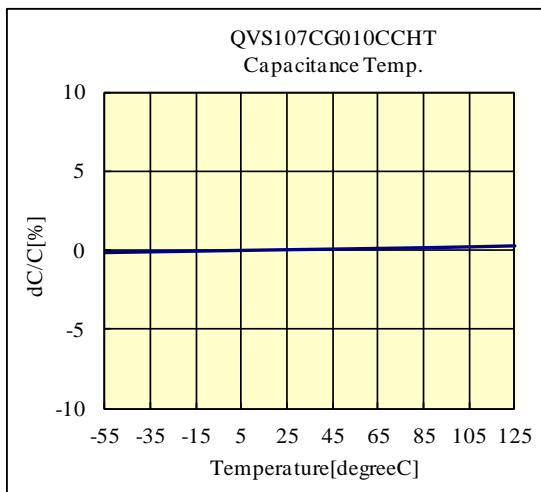
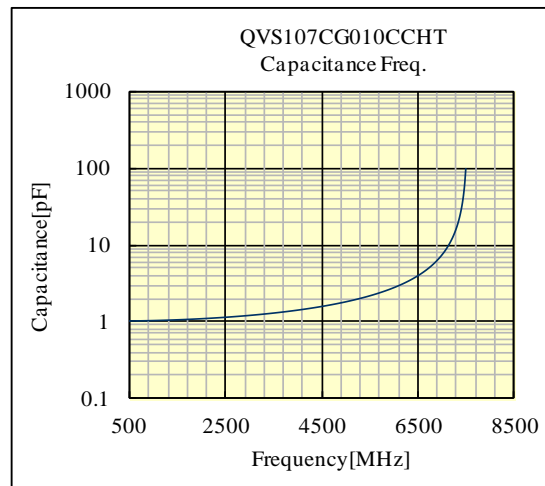
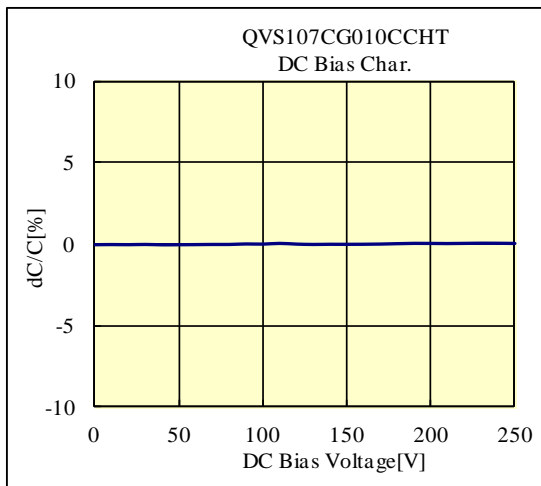
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 TAIYO YUDEN reserves the right to make change to the data at any time without notice.
 Before making final selection, please check product specification.

2021.07.01

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250V 1608 CG/C0G 1pF +/- 0.25pF t=0.8mmMAX

250V 0603 CG/C0G 1pF +/- 0.25pF t=0.031inchMAX



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Please read this notice before using the TAIYO YUDEN products.



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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).

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[>>Taiyo Yuden\(太阳诱电\)](#)