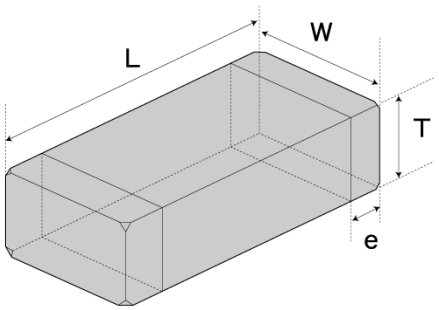
Spec Sheet

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

QVS107CG470JCHT



Features

- Item Summary

  47pF±5%, 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	47 pF ± 5 %
Case Size (EIA/JIS)	0603/1608
Rated Voltage	250 V
Q (min)	1400 at 1MHz
Temperature Characteristic (EIA)	C0G
Operating Temp. Range (EIA)	-55 to +125 ℃
Temperature Characteristic (JIS)	CG
Operating Temp. Range (JIS)	-55 to +125 ℃
Temperature Characteristic	0 ±30 ppm/℃
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

2021.08.01

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Before making final selection, please check product specification.

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Multi Layer Ceramic Capacitor

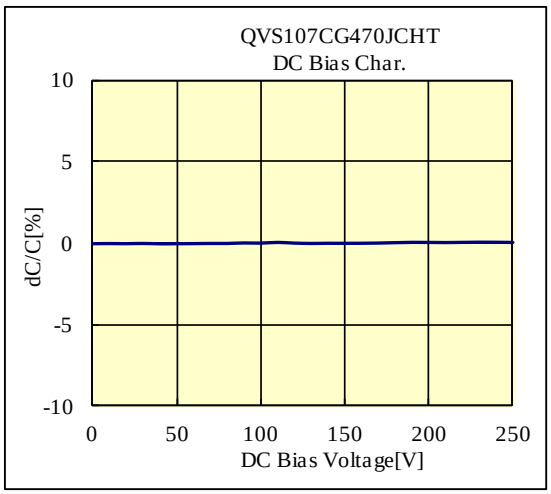
TAIYO YUDEN

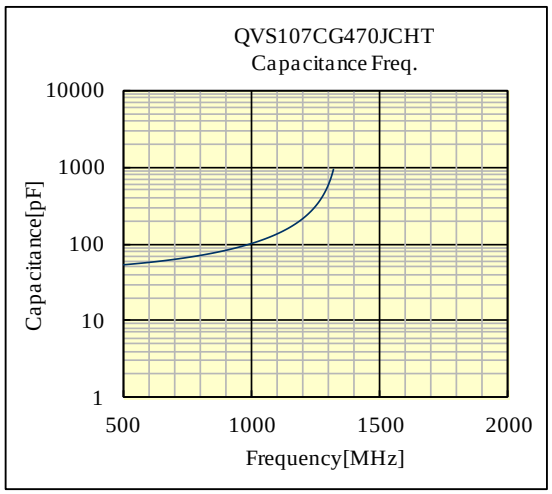
-Electrical Characteristics Data- 16CUD02

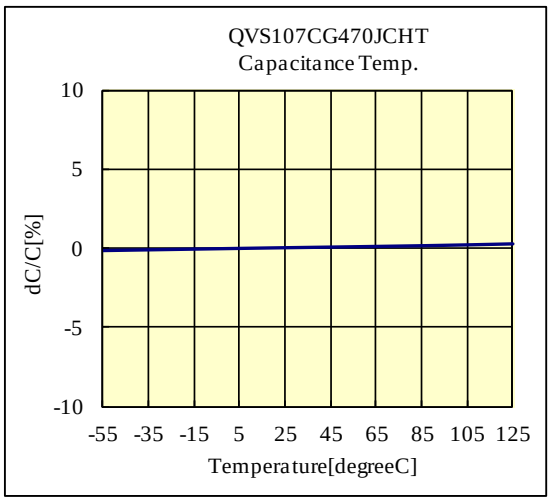
RoHS compliance product

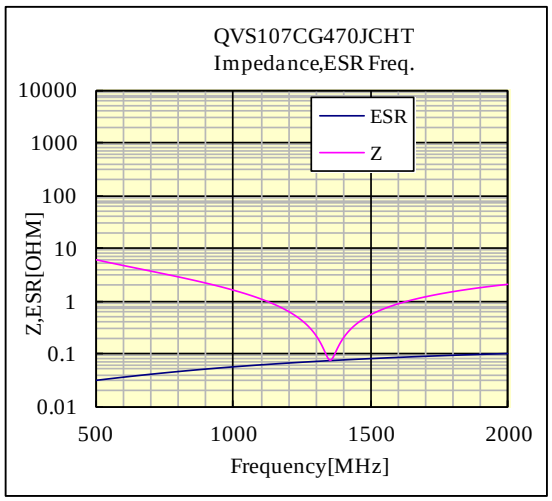
○*QVS107CG470JCHT*

250V 1608 CG/C0G 47pF +/- 5% t=0.8mmMAX
250V 0603 CG/C0G 47pF +/- 5% t=0.031inchMAX









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REMINDERS

- Please conduct validation and verification of our products in actual condition of mounting and operating environment before using our products.
- 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).

  *Note: There is a possibility that our products can be used only for aviation equipment that does not directly affect the safe operation of aircraft (e.g., in-flight entertainment, cabin light, electric seat, cooking equipment) if such use meets requirements specified separately by TAIYO YUDEN. Please be sure to contact TAIYO YUDEN for further information before using our products for such aviation equipment.

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