

Spec Sheet

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

QVS105CG180JVHF



■ Features

- Item Summary
18pF±5%, 250V,
C0G/CG, 0402/1005 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Paper 10000pcs

■ Products characteristics table

Capacitance	18 pF ± 5 %
Case Size (EIA/JIS)	0402/1005
Rated Voltage	250 V
Q (min)	1160 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	1.0 ±0.05 mm
Dimension W	0.5 ±0.05 mm
Dimension T	0.5 ±0.05 mm
Dimension e	0.25 ±0.10 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.

2021.07.01

Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

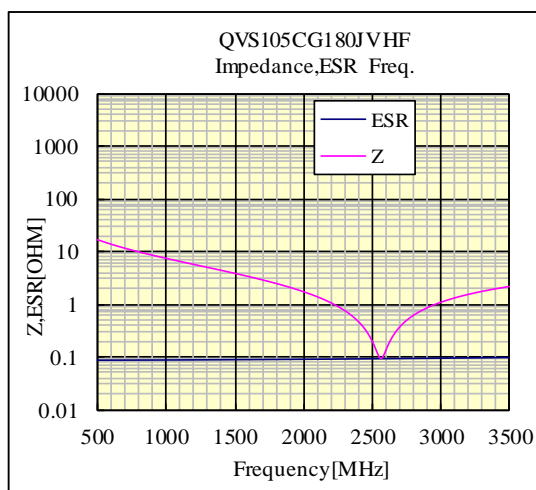
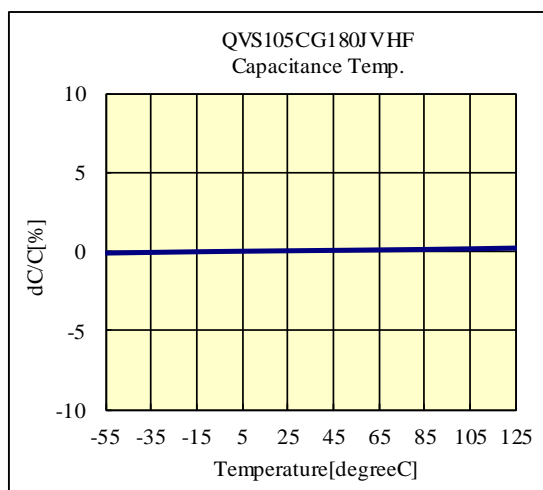
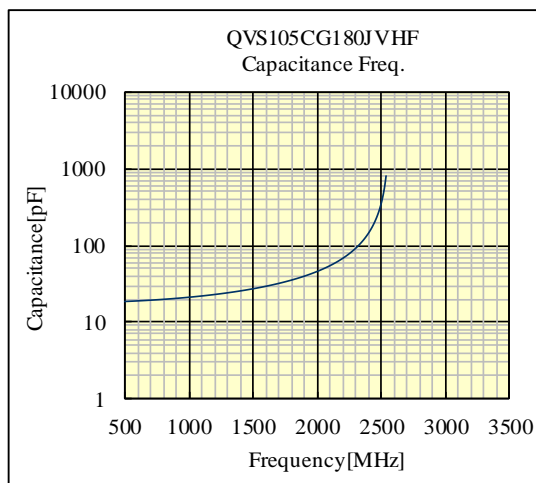
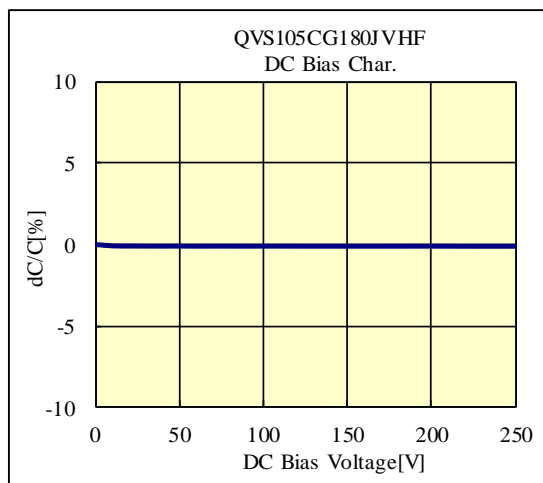
20CUD04

RoHS compliance product

○QVS105CG180JVHF

250V 1005 CG/C0G 18pF +/- 5% t=0.55mmMAX

250V 0402 CG/C0G 18pF +/- 5% t=0.022inchMAX



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Before making final selection, please check product specification.

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[>>Taiyo Yuden\(太阳诱电\)](#)