

Spec Sheet

Multilayer Ceramic Capacitors (Temperature compensating type) for Automotive / Industrial Applications

UMK105CG100DVHF



■ Features

- Item Summary
10pF±0.5pF, 50V,
C0G/CG, 0402/1005 (EIA/JIS)
- Lifecycle Stage
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping paper 10000pcs

■ Products characteristics table

Capacitance	10 pF ± 0.5pF
Case Size (EIA/JIS)	0402/1005
Rated Voltage	50 V
Q (min)	600 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
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 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.
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Before making final selection, please check product specification.

2017.04.30

Multi Layer Ceramic Capacitor

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-Electrical Characteristics Data-

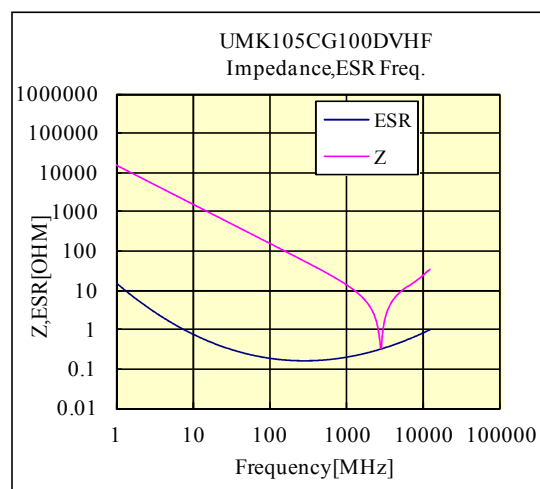
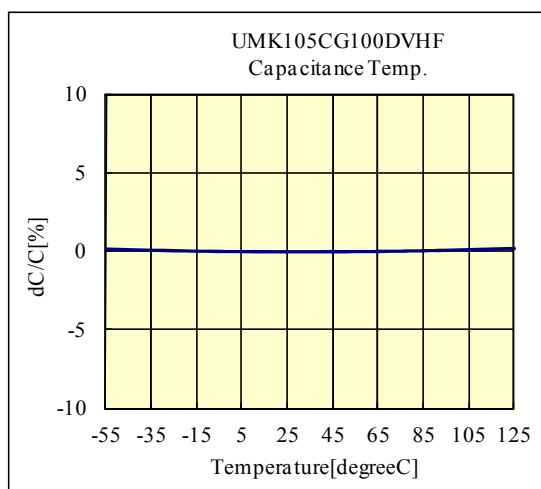
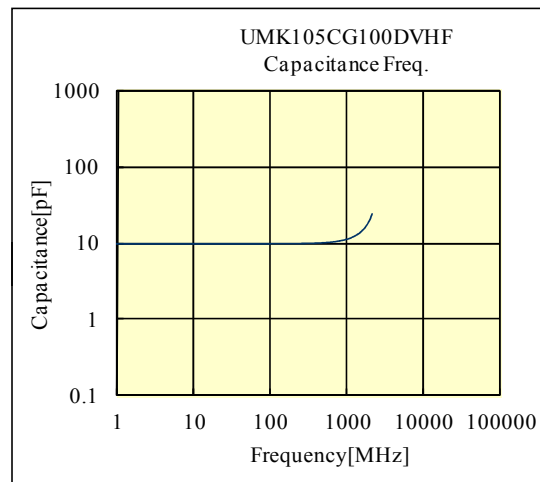
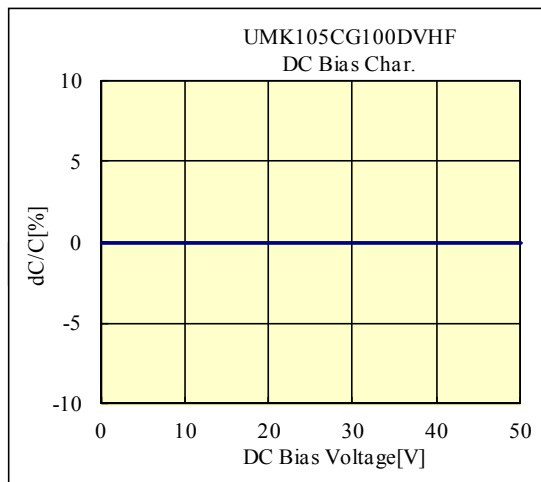
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RoHS compliance product

○UMK105CG100DVHF

50V 1005 CG/C0G 10pF +/- 0.5pF t=0.55mmMAX

50V 0402 CG/C0G 10pF +/- 0.5pF t=0.022inchMAX



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