

Spec Sheet

Multilayer Ceramic Capacitors (Temperature compensating type) for Automotive (BODY & CHASSIS, INFOTAINMENT) / Industrial Applications

UMK105CG470JVHF



■ Features

- Item Summary
47pF±5%, 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	47 pF ± 5 %
Case Size (EIA/JIS)	0402/1005
Rated Voltage	50 V
Q (min)	1000 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 (191 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.

2019.06.04

Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

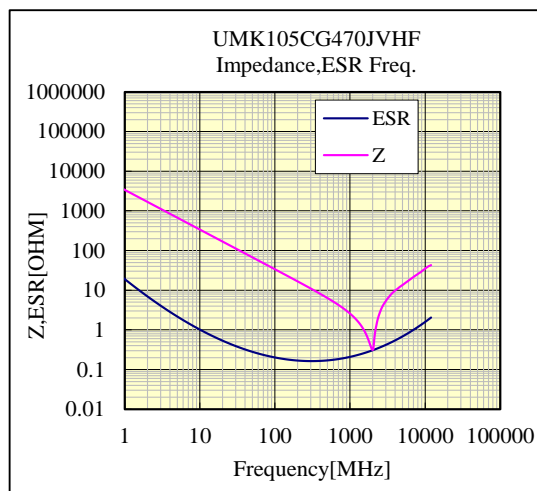
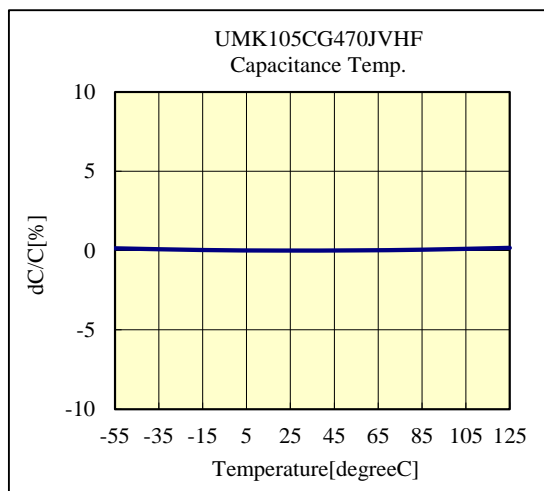
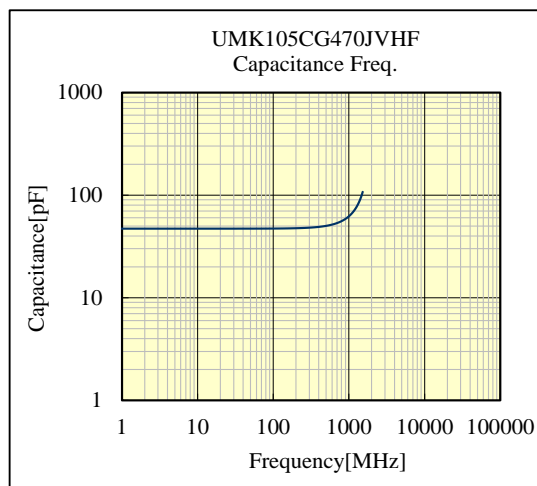
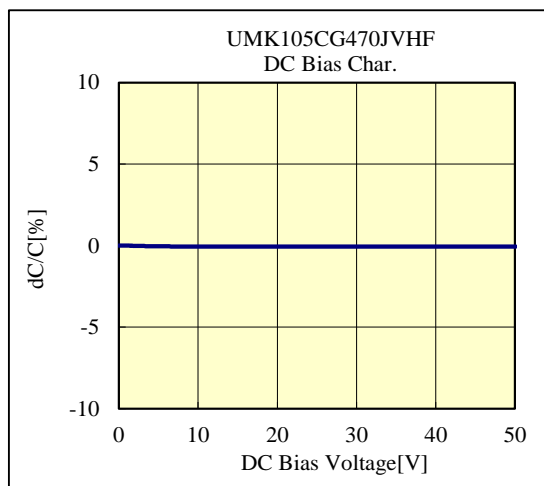
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RoHS compliance product

○UMK105CG470JVHF

50V 1005 CG/C0G 47pF +/- 5% t=0.55mmMAX

50V 0402 CG/C0G 47pF +/- 5% t=0.022inchMAX



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