



**THE DATASHEET OF  
UMK105CG100DVHF**



## Multilayer Ceramic Capacitors

## UMK105CG100DVHF



## ■ Features

- Item Summary  
10pF±0.5pF, 50V,  
C0G/CG, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
New PN available
- 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
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 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

2022.06.01

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.

## Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

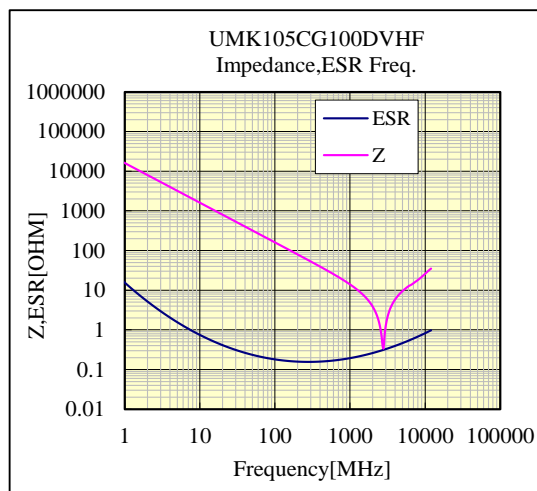
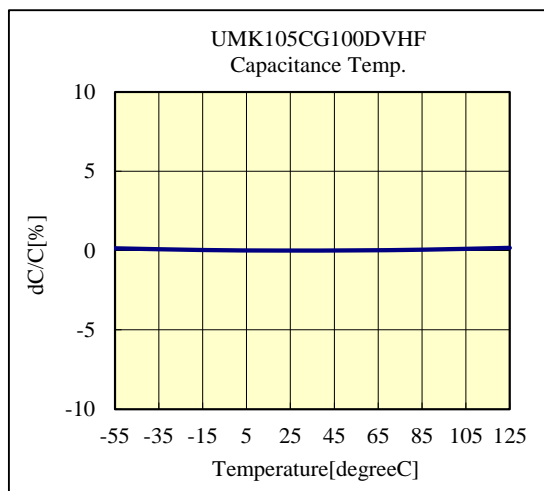
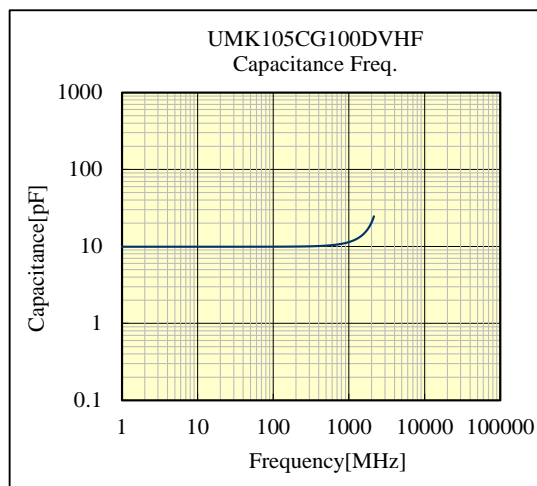
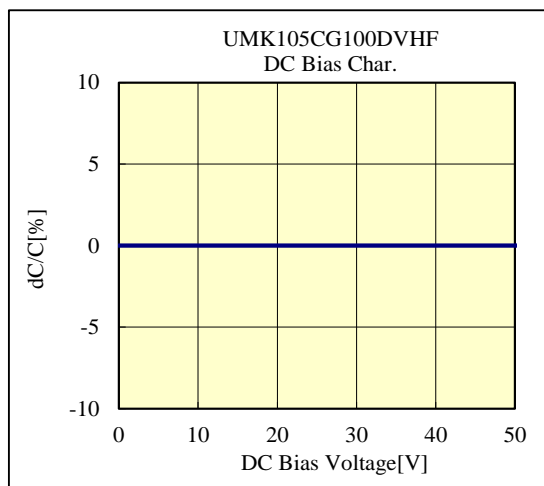
17CDD07

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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