

# Spec Sheet

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

## UMK105CG820JVHF



### ■ Features

- Item Summary  
82pF±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	82 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
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 **TAIYO YUDEN**

-Electrical Characteristics Data-

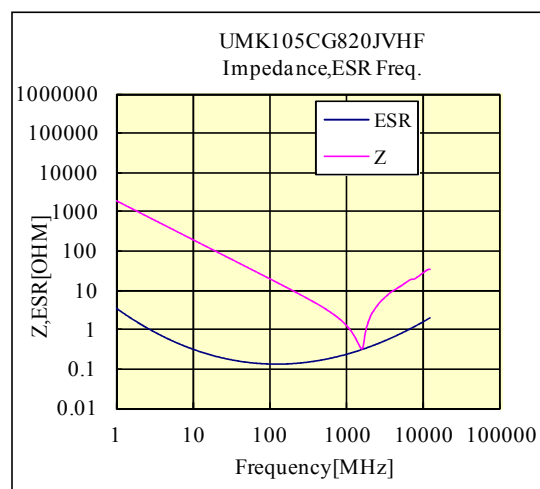
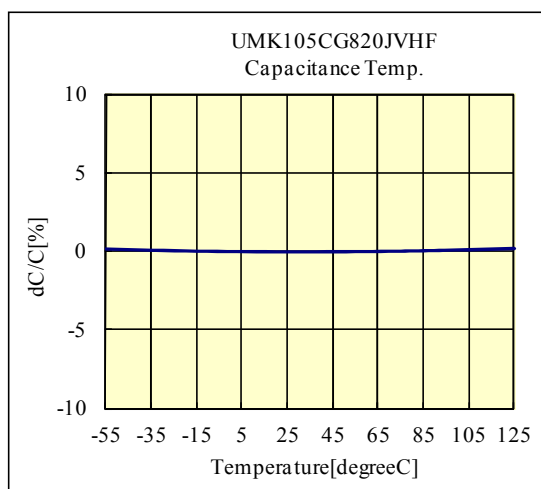
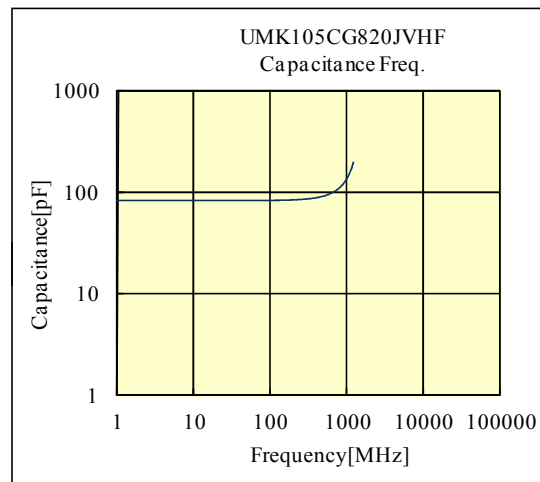
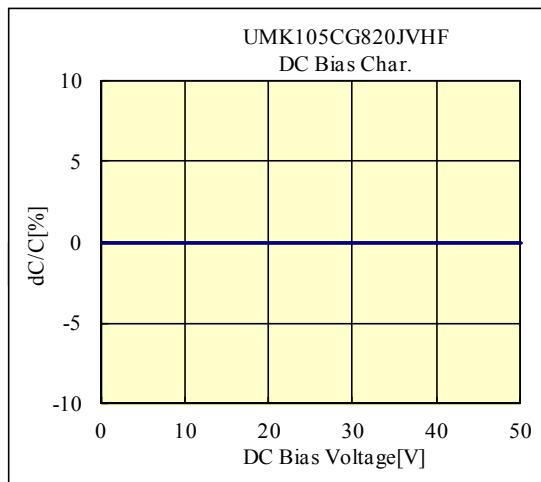
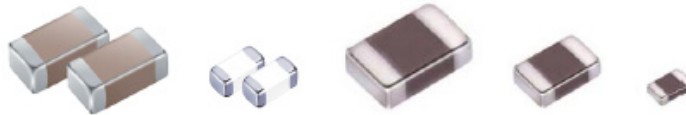
13CDD01

RoHS compliance product

## ○UMK105CG820JVHF

**50V 1005 CG/C0G 82pF +/- 5% t=0.55mmMAX**

**50V 0402 CG/C0G 82pF +/- 5% t=0.022inchMAX**



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