

## Standard Multilayer Ceramic Capacitors (Temperature compensating type)

# UMK105CG181JV-F



### ■ Features

- Item Summary  
180pF±5%, 50V,  
C0G/CG, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping paper 10000pcs

### ■ Products characteristics table

|   |                |
|---|----------------|
| Capacitance                                   | 180 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<br>(% 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 |

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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.

# Multi Layer Ceramic Capacitor

# TAIYO YUDEN

-Electrical Characteristics Data-

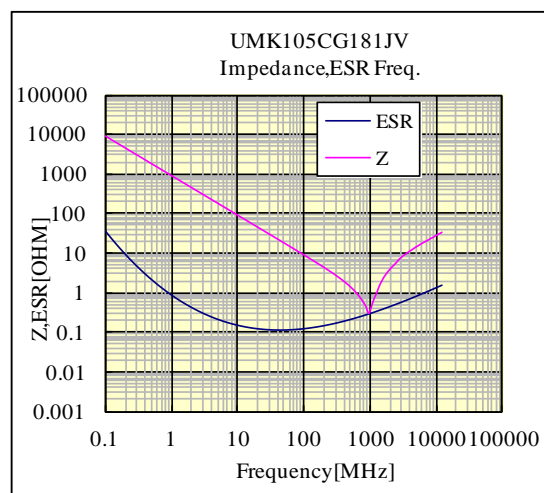
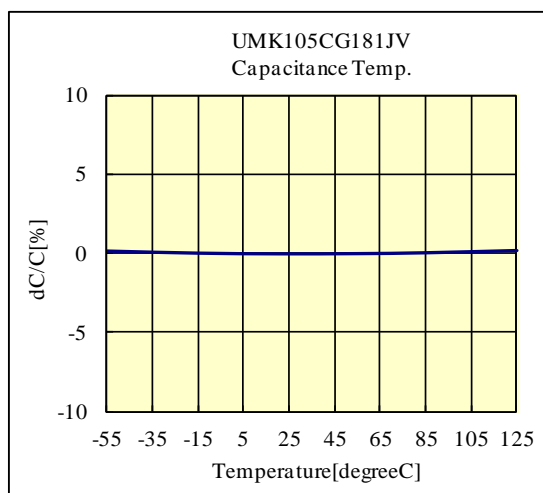
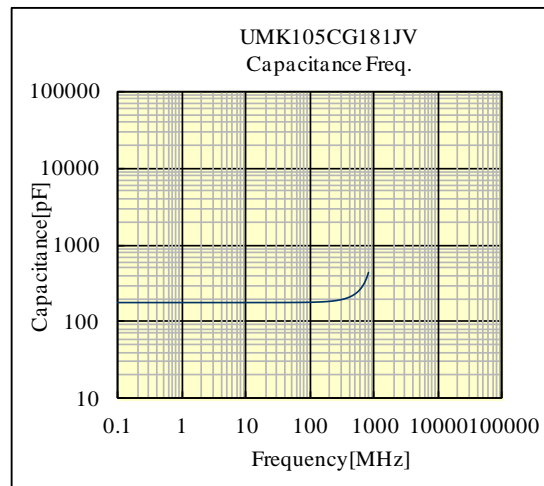
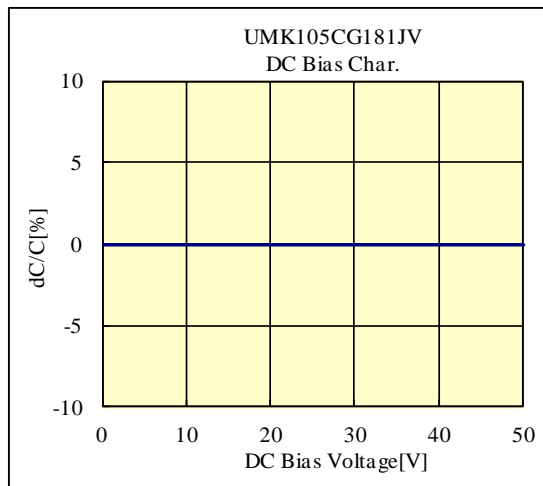
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RoHS compliance product

## ○UMK105CG181JV

**50V 1005 CG/C0G 180pF +/- 5% t=0.55mmMAX**

**50V 0402 CG/C0G 180pF +/- 5% t=0.022inchMAX**



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