

Spec Sheet

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

UMK105CG270JVHF



■ Features

- Item Summary
27pF±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 | 27 pF ± 5 % |
| Case Size (EIA/JIS) | 0402/1005 |
| Rated Voltage | 50 V |
| Q (min) | 940 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 |

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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-

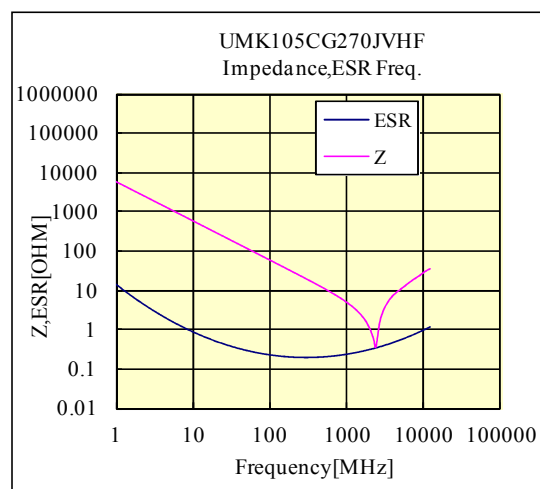
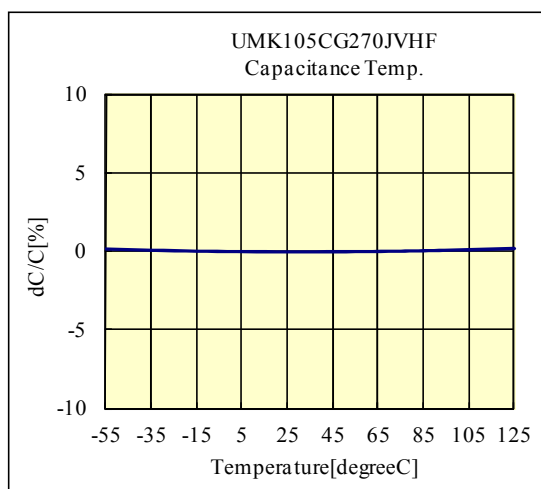
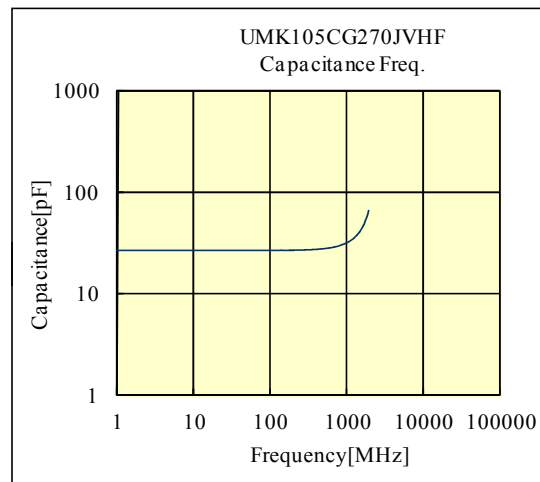
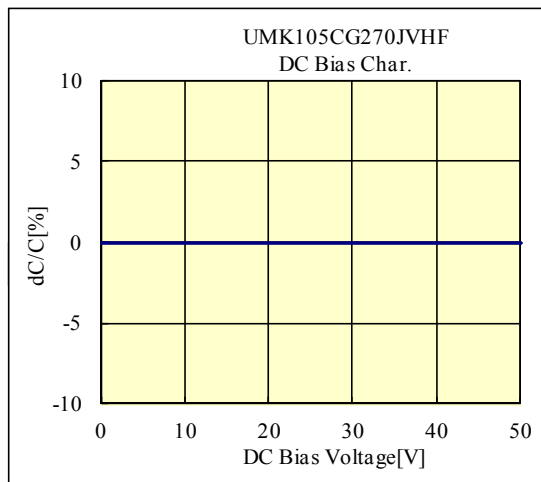
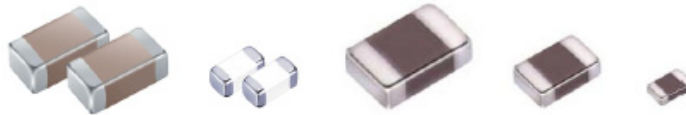
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RoHS compliance product

○UMK105CG270JVHF

50V 1005 CG/C0G 27pF +/- 5% t=0.55mmMAX

50V 0402 CG/C0G 27pF +/- 5% t=0.022inchMAX



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