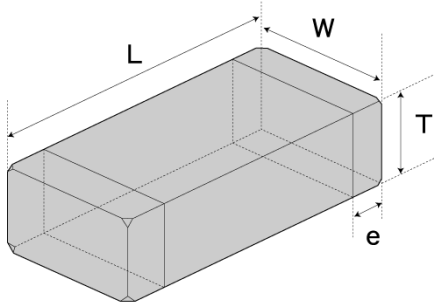


# Spec Sheet

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

## UMK063CG3R1CTHF



### ■ Features

- Item Summary  
3.1pF±0.25pF, 50V,  
C0G/CG, 0201/0603 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping paper 15000pcs

### ■ Products characteristics table

|   |                 |
|---|-----------------|
| Capacitance                                   | 3.1 pF ± 0.25pF |
| Case Size (EIA/JIS)                           | 0201/0603       |
| Rated Voltage                                 | 50 V            |
| Q (min)                                       | 462 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 | 0.6 ±0.03 mm  |
| Dimension W | 0.3 ±0.03 mm  |
| Dimension T | 0.3 ±0.03 mm  |
| Dimension e | 0.15 ±0.05 mm |

2017.04.30

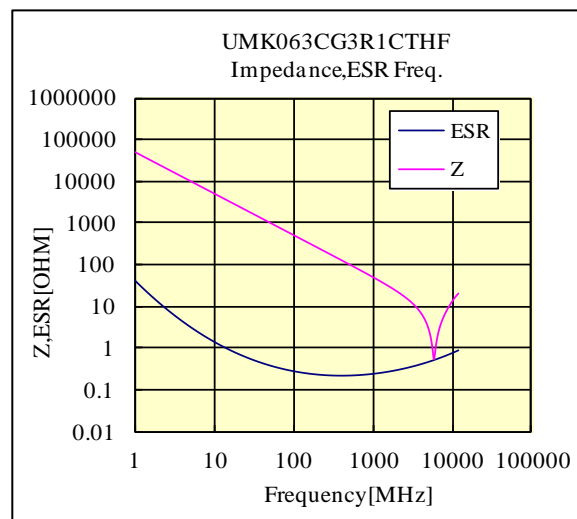
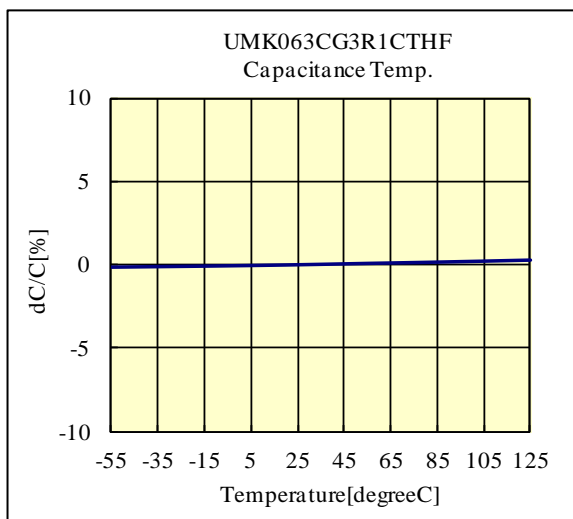
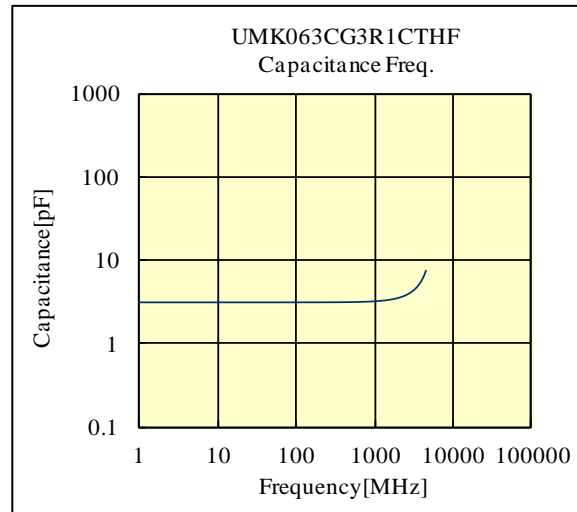
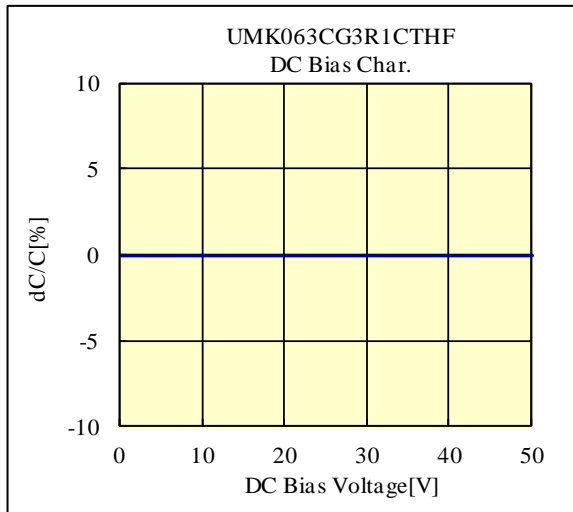
The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
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Before making final selection, please check product specification.

RoHS compliance product

## ○UMK063CG3R1CTHF

50V 0603 CG/C0G 3.1pF +/- 0.25pF t=0.33mmMAX

50V 0201 CG/C0G 3.1pF +/- 0.25pF t=0.013inchMAX



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