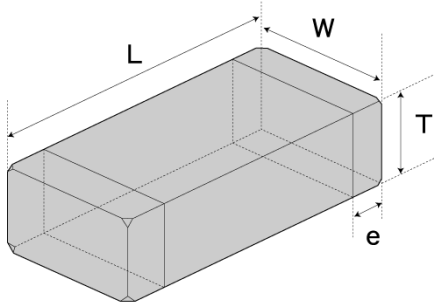


# Spec Sheet

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

## UMK063CG1R8CTHF



### ■ Features

- Item Summary  
1.8pF±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                                   | 1.8 pF ± 0.25pF |
| Case Size (EIA/JIS)                           | 0201/0603       |
| Rated Voltage                                 | 50 V            |
| Q (min)                                       | 436 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 |

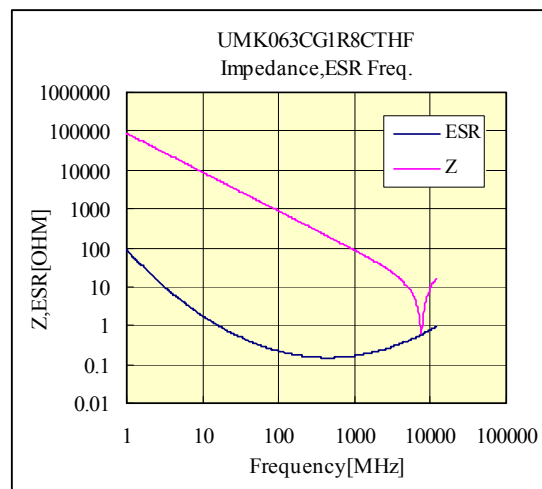
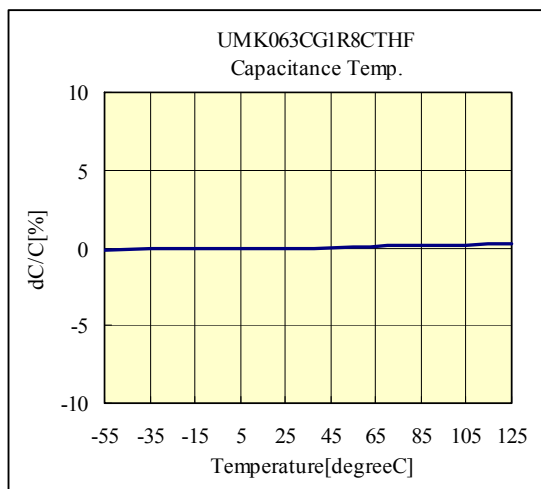
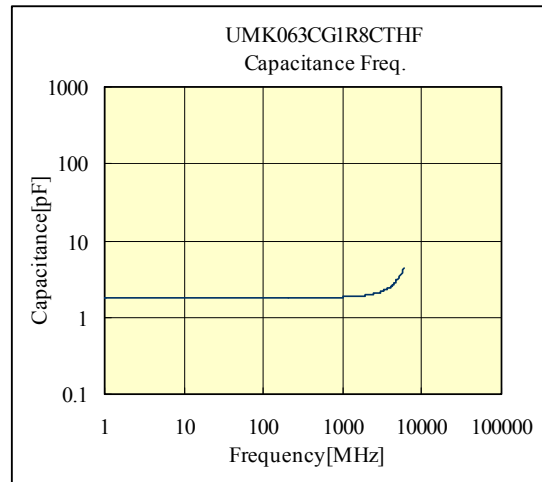
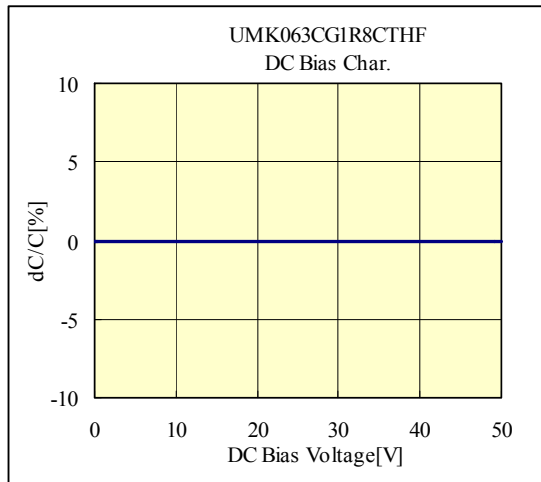
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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
 TAIYO YUDEN reserves the right to make change to the Date at any time without notice.  
 Before making final selection, please check product specification.

## ○UMK063CG1R8CTHF

50V 0603 CG/C0G 1.8pF +/- 0.25pF t=0.33mmMAX

50V 0201 CG/C0G 1.8pF +/- 0.25pF t=0.013inchMAX



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