

# Spec Sheet

MLCC (Temperature compensating type) for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

## UMK063CG4R2CTHF



### ■ Features

- Item Summary  
4.2pF±0.25pF, 50V,  
C0G/CG, 0201/0603 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Paper 15000pcs

### ■ Products characteristics table

Capacitance	4.2 pF ± 0.25pF
Case Size (EIA/JIS)	0201/0603
Rated Voltage	50 V
Q (min)	484 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
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 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

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

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## Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

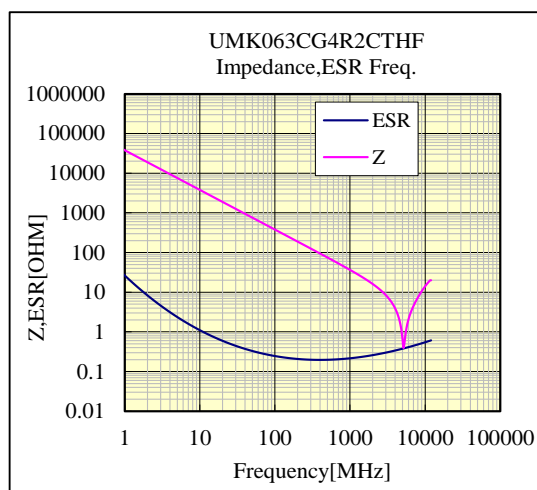
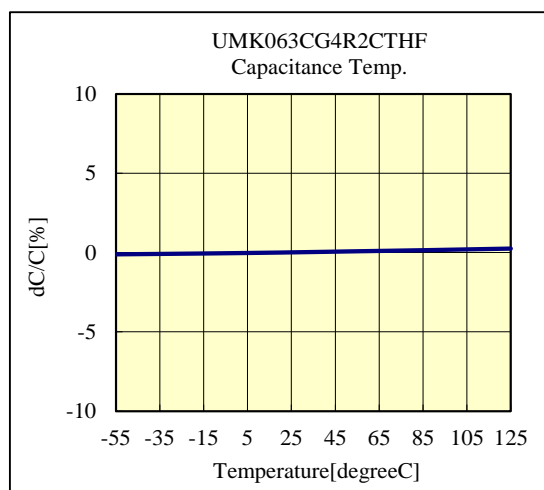
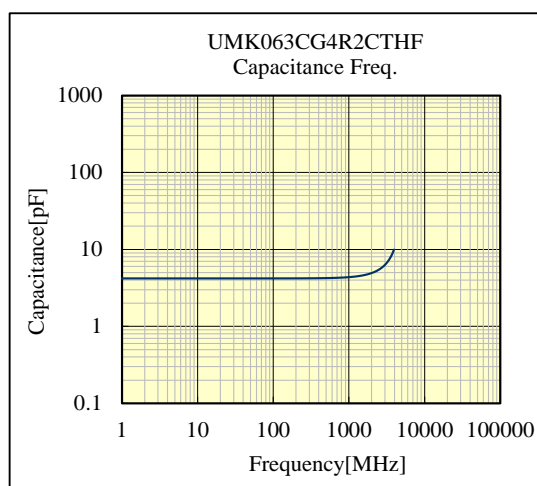
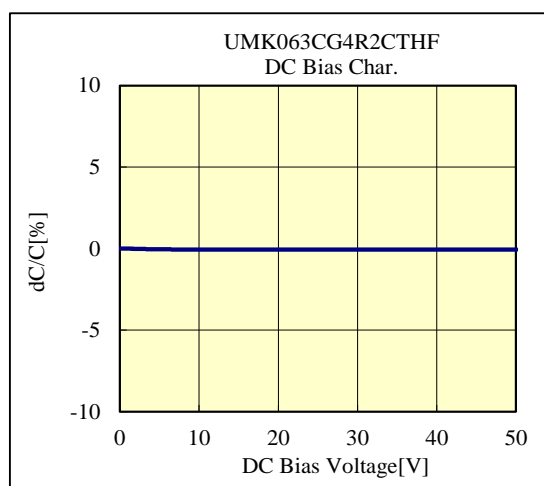
17CDD07

RoHS compliance product

### ○UMK063CG4R2CTHF

50V 0603 CG/C0G 4.2pF +/- 0.25pF t=0.33mmMAX

50V 0201 CG/C0G 4.2pF +/- 0.25pF t=0.013inchMAX



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Before making final selection, please check product specification.

Please read this notice before using the TAIYO YUDEN products.



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- The product listed in this spec sheet is intended for use in general electronic equipment (e.g., AV equipment, OA equipment, home electric appliances, office equipment, information and communication equipment), medical equipment classified as Class I or II by IMDRF, industrial equipment, and automotive interior applications, etc. Please be sure to contact TAIYO YUDEN for further information before using the product for any equipment which may directly cause loss of human life or bodily injury (e.g., transportation equipment including, without limitation, automotive powertrain control system, train control system, and ship control system, traffic signal equipment, medical equipment classified as Class III by IMDRF).

Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment\*, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

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