

# Spec Sheet

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

## UMK063CG080DTHF



### ■ Features

- Item Summary  
8pF±0.5pF, 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	8 pF ± 0.5pF
Case Size (EIA/JIS)	0201/0603
Rated Voltage	50 V
Q (min)	560 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	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.  
TAIYO YUDEN reserves the right to make change to the Date at any time without notice.  
Before making final selection, please check product specification.

# Multi Layer Ceramic Capacitor **TAIYO YUDEN**

-Electrical Characteristics Data-

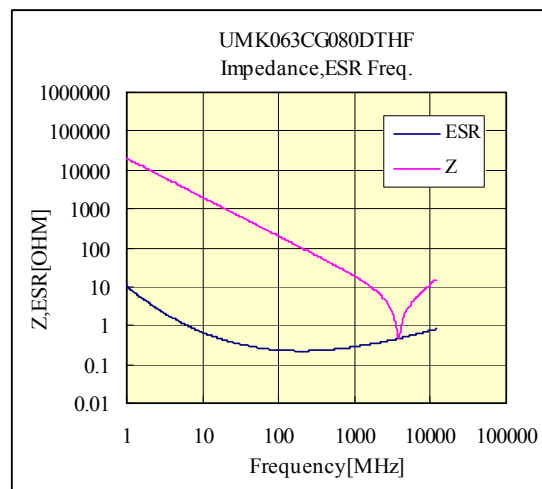
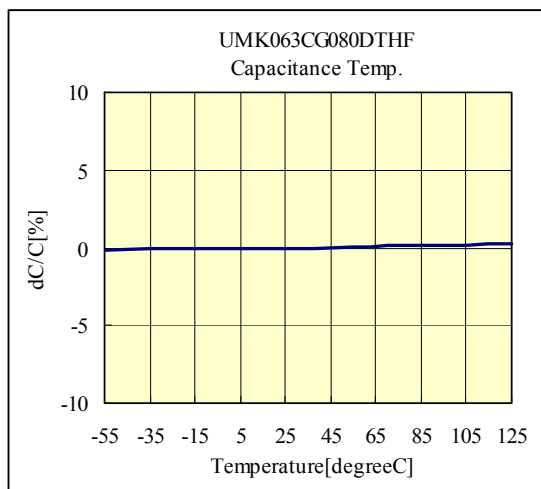
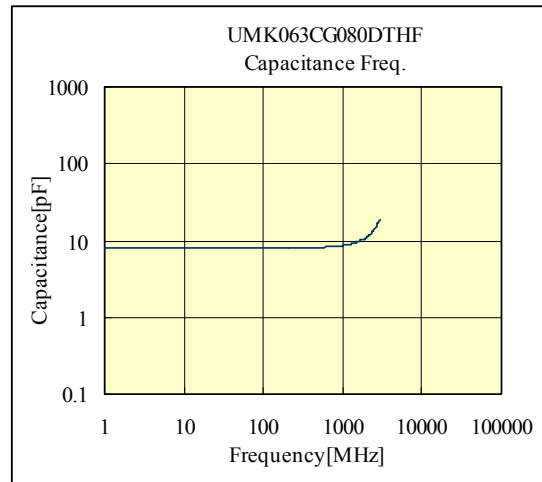
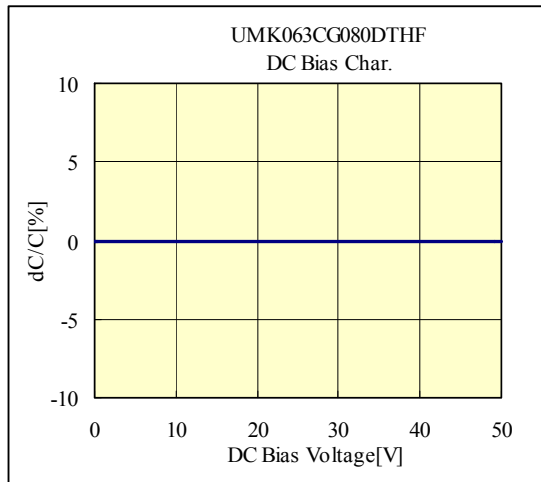
13CDD08

RoHS compliance product

## ○UMK063CG080DTHF

50V 0603 CG/C0G 8pF +/- 0.5pF t=0.33mmMAX

50V 0201 CG/C0G 8pF +/- 0.5pF t=0.013inchMAX



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