

Multilayer Ceramic Capacitors (Temperature compensating type)

EMK042CG6R8DD-W



■ Features

- Item Summary
6.8pF±0.5pF, 16V,
C0G/CG, 01005/0402 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- Standard packaging quantity (minimum)
Taping Embossed 40000pcs

■ Products characteristics table

Capacitance	6.8 pF ± 0.5pF
Case Size (EIA/JIS)	01005/0402
Rated Voltage	16 V
Q (min)	536 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	0.4 ±0.02 mm
Dimension W	0.2 ±0.02 mm
Dimension T	0.2 ±0.02 mm
Dimension e	0.10 ±0.03 mm

2021.07.01

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.

Multi Layer Ceramic Capacitor

TAIYO YUDEN

-Electrical Characteristics Data-

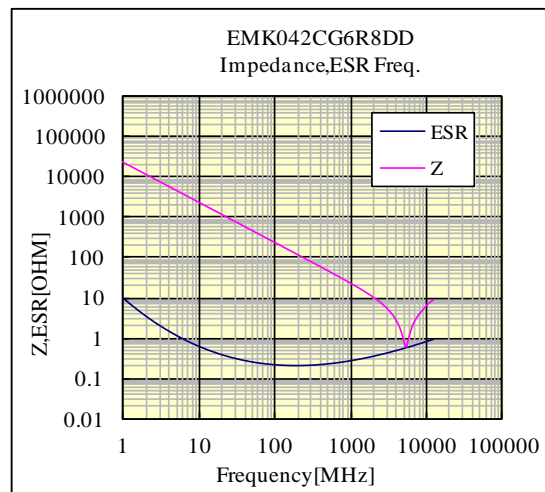
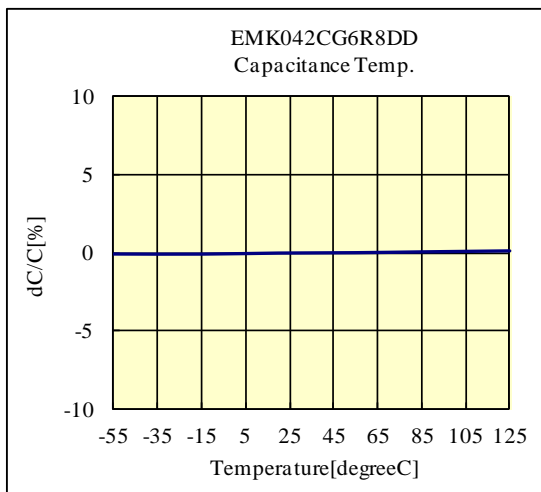
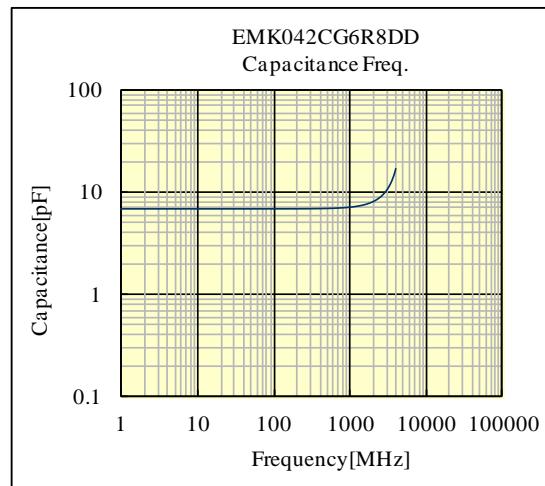
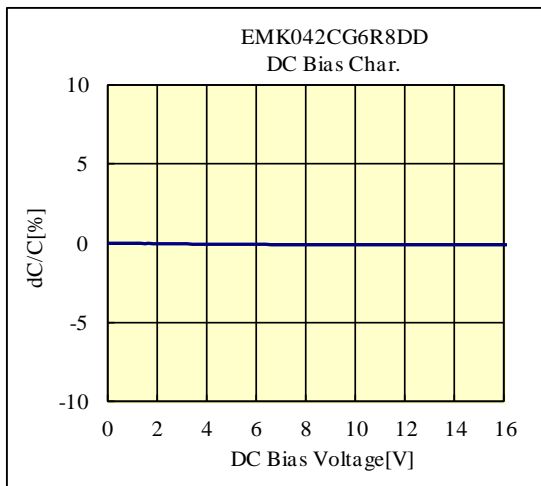
16CDD02

RoHS compliance product

○EMK042CG6R8DD

16V 0402 CG/C0G 6.8pF +/- 0.5pF t=0.22mmMAX

16V 01005 CG/C0G 6.8pF +/- 0.5pF t=0.009inchMAX



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Please read this notice before using the TAIYO YUDEN products.



REMINDERS

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[>>Taiyo Yuden\(太阳诱电\)](#)