

Standard Multilayer Ceramic Capacitors (Temperature compensating type)

EMK042CG8R2DD-W



■ Features

- Item Summary
8.2pF±0.5pF, 16V,
C0G/CG, 01005/0402 (EIA/JIS)
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 40000pcs

■ Products characteristics table

Capacitance	8.2 pF ± 0.5pF
Case Size (EIA/JIS)	01005/0402
Rated Voltage	16 V
Q (min)	564 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	0.4 ±0.02 mm
Dimension W	0.2 ±0.02 mm
Dimension T	0.2 ±0.02 mm
Dimension e	0.10 ±0.03 mm

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.

Multi Layer Ceramic Capacitor

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-Electrical Characteristics Data-

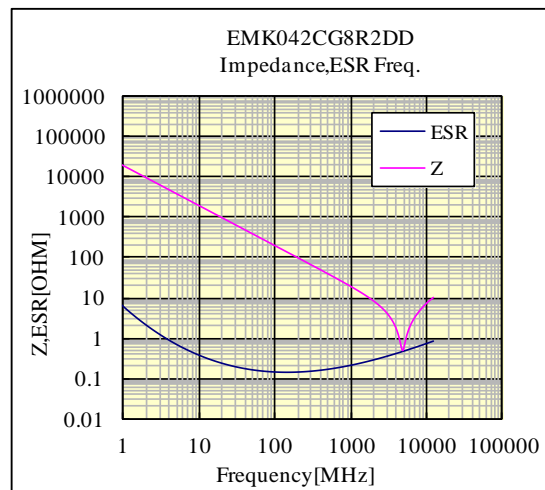
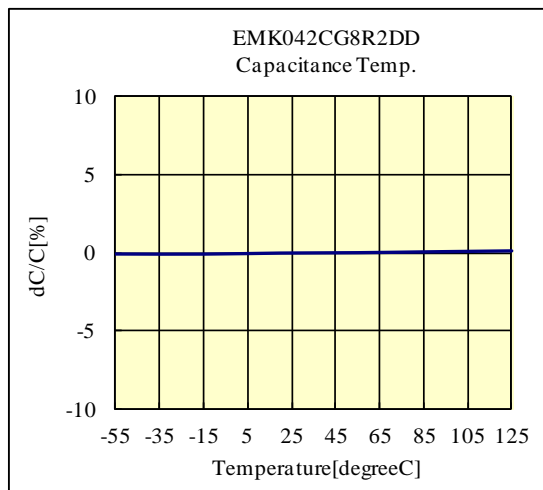
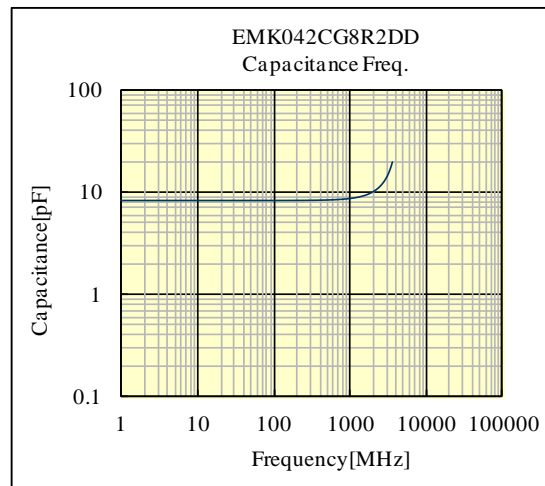
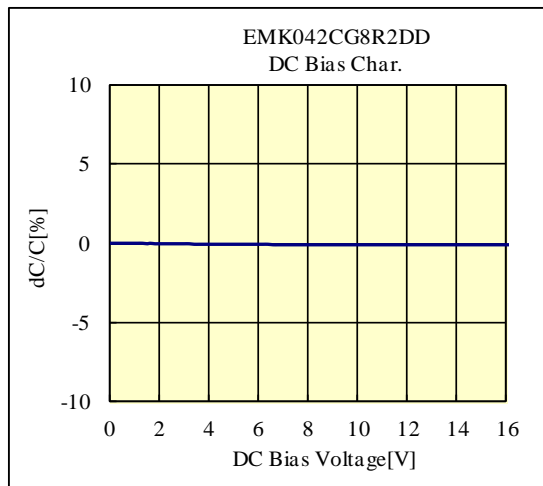
16CDD02

RoHS compliance product

○EMK042CG8R2DD

16V 0402 CG/C0G 8.2pF +/- 0.5pF t=0.22mmMAX

16V 01005 CG/C0G 8.2pF +/- 0.5pF t=0.009inchMAX



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