

Standard Multilayer Ceramic Capacitors (Temperature compensating type)

EMK042CG080DD-W



■ Features

- Item Summary  
8pF±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 pF ± 0.5pF
Case Size (EIA/JIS)	01005/0402
Rated Voltage	16 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	0.4 ±0.02 mm
Dimension W	0.2 ±0.02 mm
Dimension T	0.2 ±0.02 mm
Dimension e	0.10 ±0.03 mm

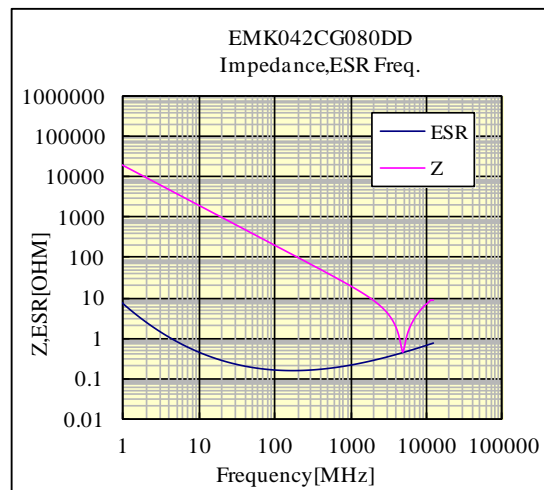
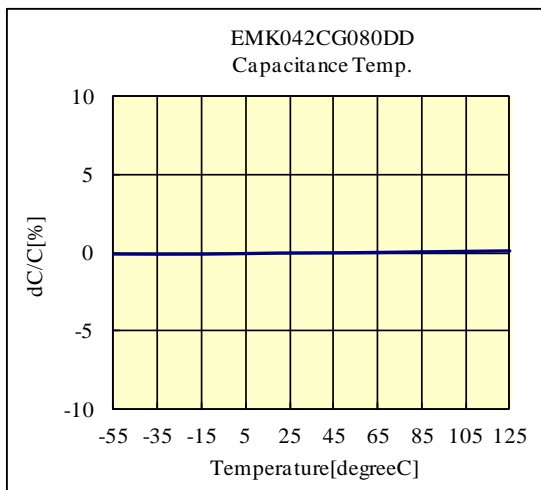
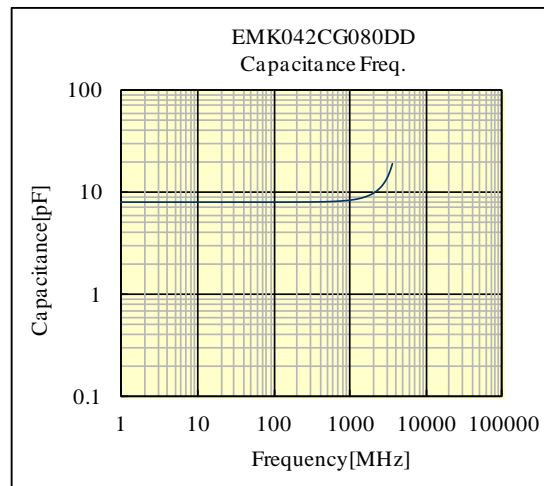
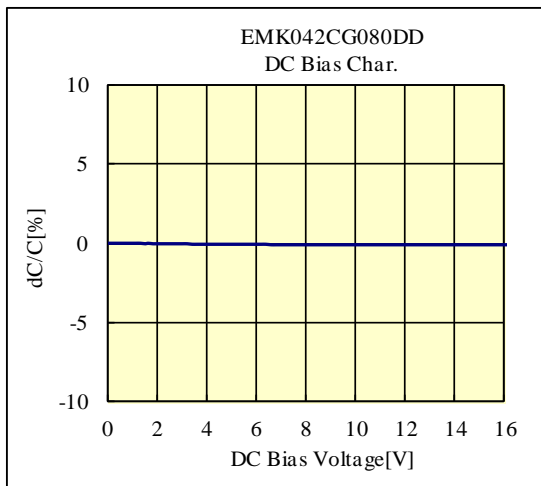
2017.04.30

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.

## ○EMK042CG080DD

16V 0402 CG/C0G 8pF +/- 0.5pF t=0.22mmMAX

16V 01005 CG/C0G 8pF +/- 0.5pF t=0.009inchMAX



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