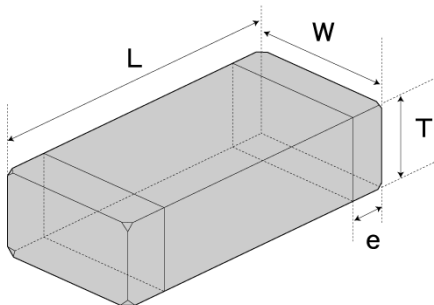


Standard Multilayer Ceramic Capacitors (Temperature compensating type)

EMK042CG0R5CD-W



■ Features

- Item Summary  
0.5pF±0.25pF, 16V,  
C0G/CG, 01005/0402 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 40000pcs

■ Products characteristics table

Capacitance	0.5 pF ± 0.25pF
Case Size (EIA/JIS)	01005/0402
Rated Voltage	16 V
Q (min)	410 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

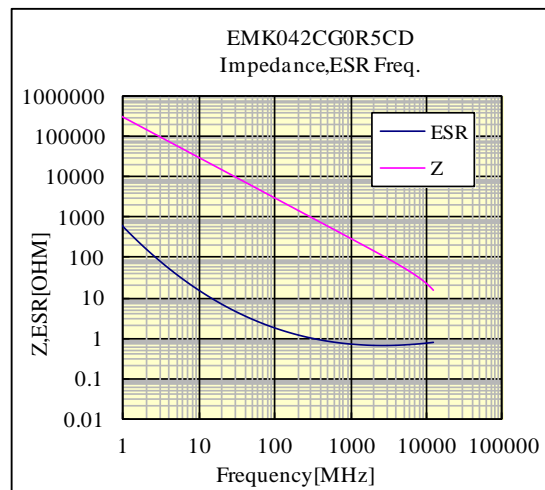
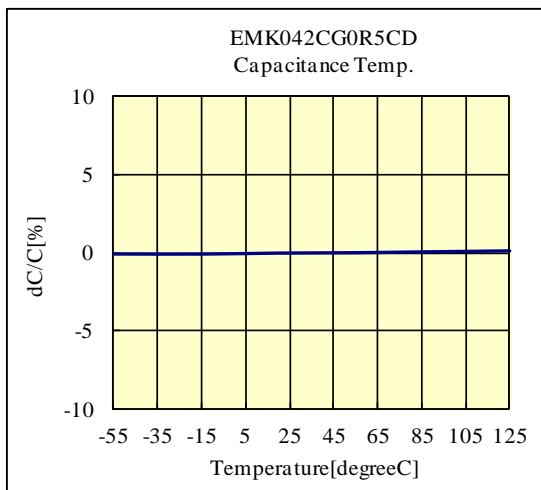
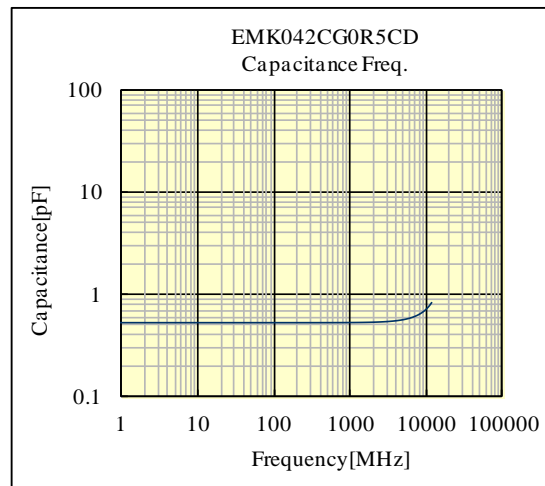
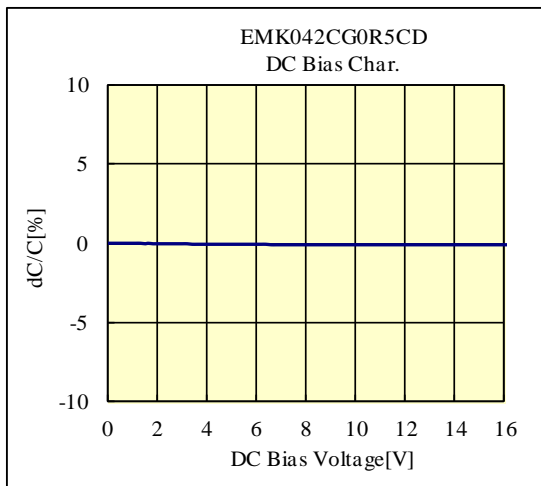
2017.04.30

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

## ○EMK042CG0R5CD

16V 0402 CG/C0G 0.5pF +/- 0.25pF t=0.22mmMAX

16V 01005 CG/C0G 0.5pF +/- 0.25pF t=0.009inchMAX



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