

## Standard Multilayer Ceramic Capacitors (Temperature compensating type)

### EMK042CG1R1AD-W



#### ■ Features

- Item Summary  
1.1pF±0.05pF, 16V,  
C0G/CG, 01005/0402 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 40000pcs

#### ■ Products characteristics table

|   |                 |
|---|-----------------|
| Capacitance                                   | 1.1 pF ± 0.05pF |
| Case Size (EIA/JIS)                           | 01005/0402      |
| Rated Voltage                                 | 16 V            |
| Q (min)                                       | 422 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<br>(% Rated Voltage) | 200 %           |
| Insulation Resistance (min)                   | 10 GΩ           |
| RoHS2 Compliance (10 subst.)                  | Yes             |
| REACH Compliance (168 subst.)                 | 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 |

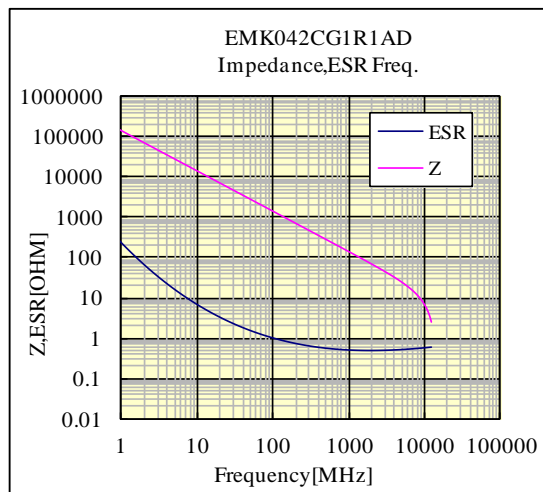
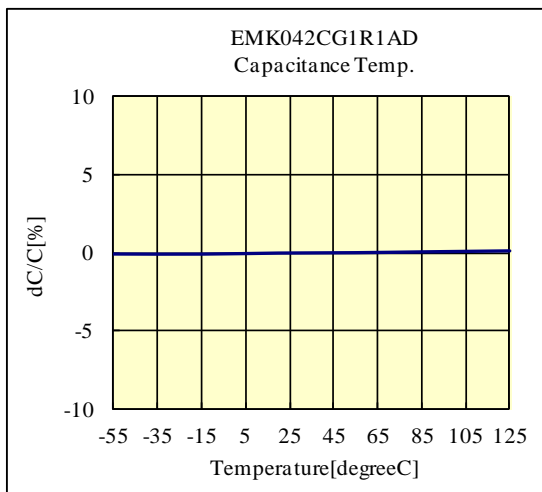
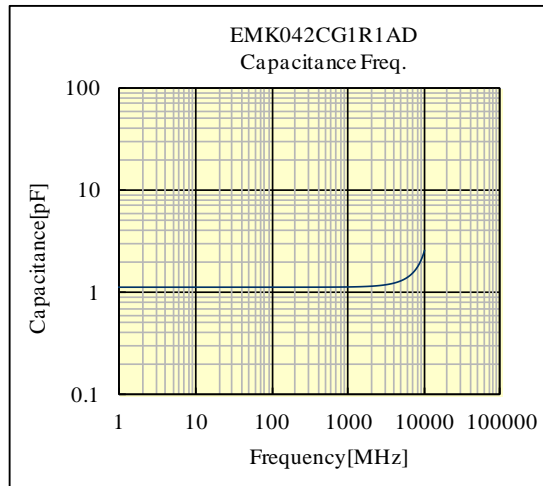
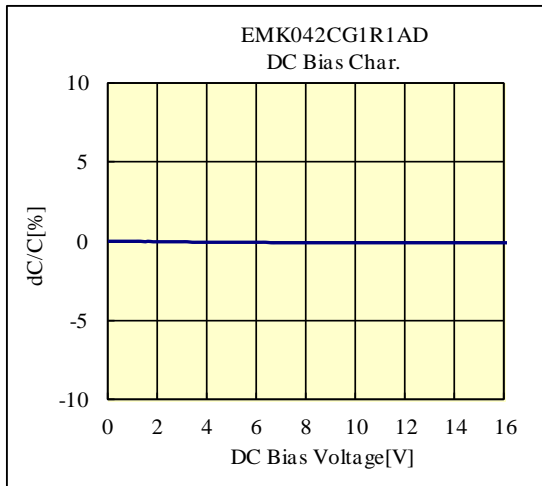
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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
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 Before making final selection, please check product specification.

## ○EMK042CG1R1AD

16V 0402 CG/C0G 1.1pF +/- 0.05pF t=0.22mmMAX

16V 01005 CG/C0G 1.1pF +/- 0.05pF t=0.009inchMAX



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