



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Standard Multilayer Ceramic Capacitors (Temperature compensating type)

EMK042CG4R7CD-W



■ Features

- Item Summary
4.7pF \pm 0.25pF, 16V,
C0G/CG, 01005/0402 (EIA/JIS)
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 40000pcs

■ Products characteristics table

Capacitance	4.7 pF \pm 0.25pF
Case Size (EIA/JIS)	01005/0402
Rated Voltage	16 V
Q (min)	494 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 \pm 30 ppm/°C
High Temperature Loading (% Rated Voltage)	200 %
Insulation Resistance (min)	10 G Ω
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

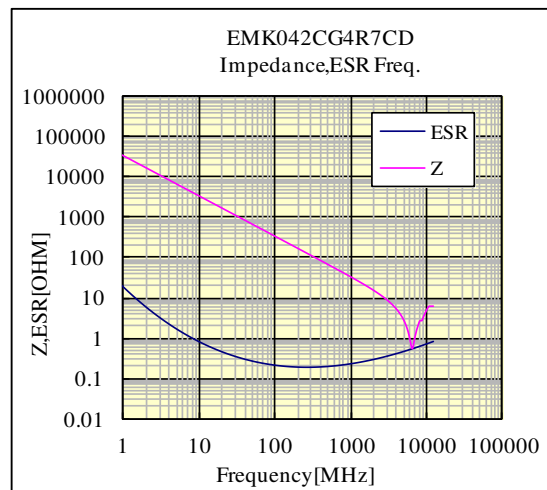
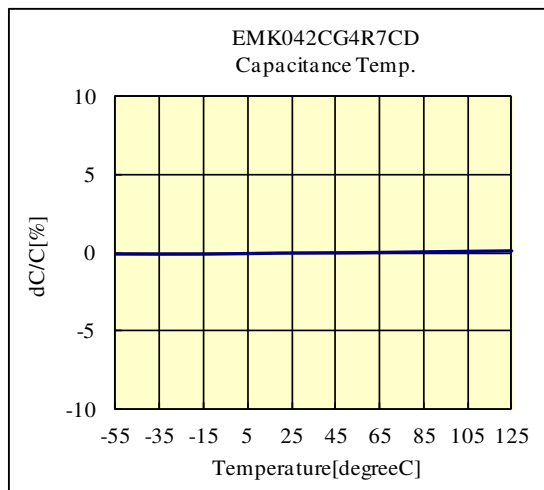
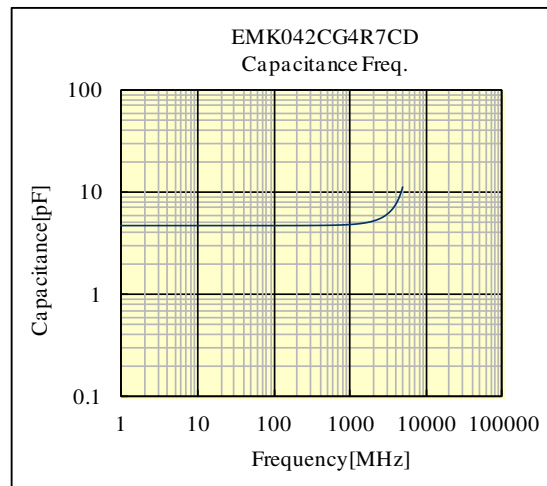
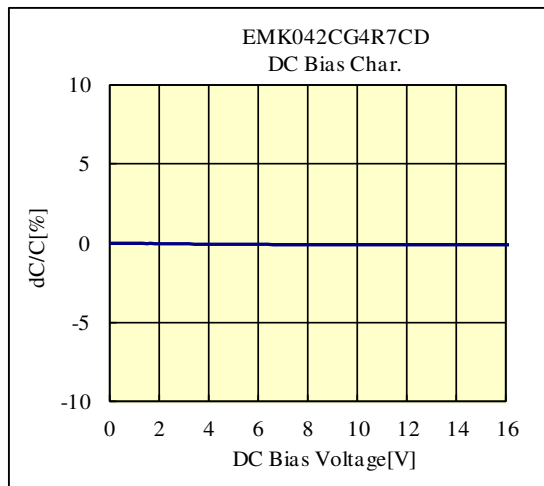
■ External Dimensions

Dimension L	0.4 \pm 0.02 mm
Dimension W	0.2 \pm 0.02 mm
Dimension T	0.2 \pm 0.02 mm
Dimension e	0.10 \pm 0.03 mm

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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.

○EMK042CG4R7CD

16V 0402 CG/C0G 4.7pF +/- 0.25pF t=0.22mmMAX16V 01005 CG/C0G 4.7pF +/- 0.25pF t=0.009inchMAX

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