



**THE DATASHEET OF
EMK042B7102KC-W**



High Value Multilayer Ceramic Capacitors (High dielectric type)

EMK042B7102KC-W



■ Features

- Item Summary
16V, X7R, 1000pF, ±10%, 01005
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 40000pcs

■ Products characteristics table

CaseSize (EIA/JIS)	01005/0402
Rated Voltage (max)	16V
Capacitance	1000pF
Capacitance Tolerance	±10%
Temperature Characteristics (EIA/JIS)	X7R/-
Temperature Range (EIA/JIS)	-55 to +125°C/-
Capacitance Change (EIA/JIS)	±15/-%
Dielectric Loss Tangent	5%MAX
Resistance	10,000 MΩ min.
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	0.4mm ±0.02
W	0.2mm ±0.02
T	0.2mm ±0.02
e	0.1mm ±0.03

2015.07.09

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.

Multi Layer Ceramic Capacitor

TAIYO YUDEN

-Electrical Characteristics Data-

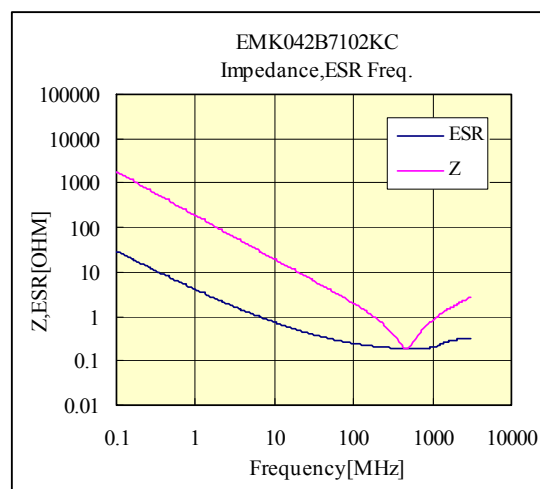
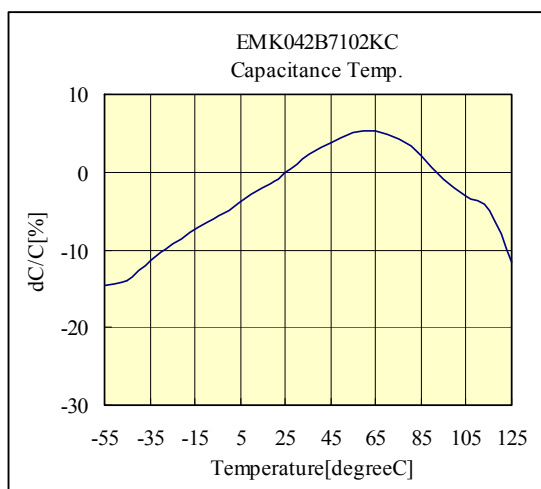
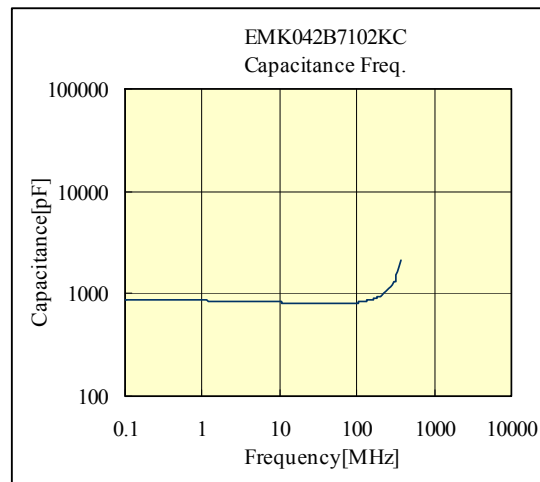
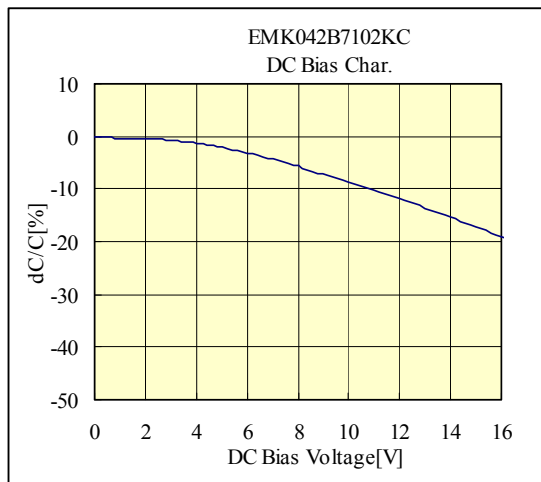
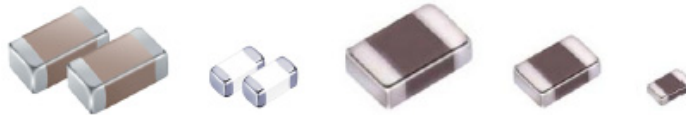
13SA08

RoHS compliance product

○EMK042B7102KC

16V 0402 X7R 1000pF +/- 10% t=0.22mmMAX

16V 01005 X7R 1000pF +/- 10% t=0.009inchMAX



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