

Spec Sheet

Multilayer Ceramic Capacitors (High dielectric type) for Automotive / Industrial Applications

EMK105BJ224KVHF



■ Features

- Item Summary
0.22 μ F \pm 10%, 16V,
X5R, 0402/1005 (EIA/JIS)
- Lifecycle Stage
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping paper 10000pcs

■ Products characteristics table

| | |
|---|--------------------------|
| Capacitance | 0.22 μ F \pm 10 % |
| Case Size (EIA/JIS) | 0402/1005 |
| Rated Voltage | 16 V |
| $\tan \delta$ (max) | 10 % |
| Temperature Characteristic (EIA) | X5R |
| Operating Temp. Range (EIA) | -55 to +85 °C |
| High Temperature Loading (% Rated Voltage) | 150 % |
| Insulation Resistance (min) | 500 M Ω · μ F |
| RoHS2 Compliance (10 subst.) | Yes |
| REACH Compliance (173 subst.) | Yes |
| Halogen Free | Yes |
| Soldering | Reflow |

■ External Dimensions

| | |
|-------------|--------------------|
| Dimension L | 1.0 \pm 0.05 mm |
| Dimension W | 0.5 \pm 0.05 mm |
| Dimension T | 0.5 \pm 0.05 mm |
| Dimension e | 0.25 \pm 0.10 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.

Multi Layer Ceramic Capacitor

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-Electrical Characteristics Data-

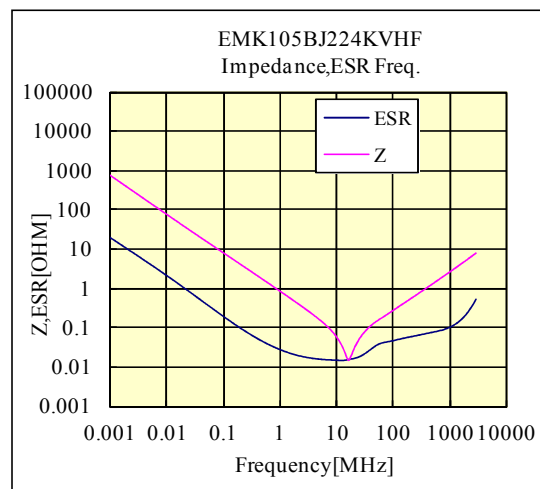
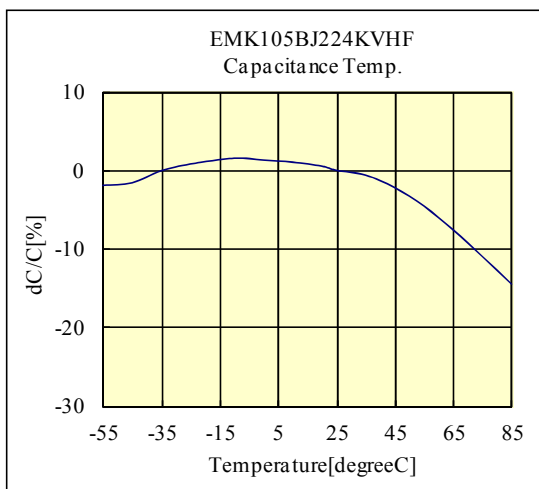
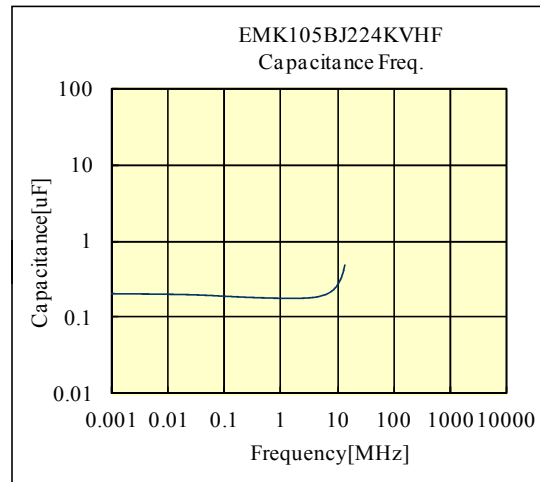
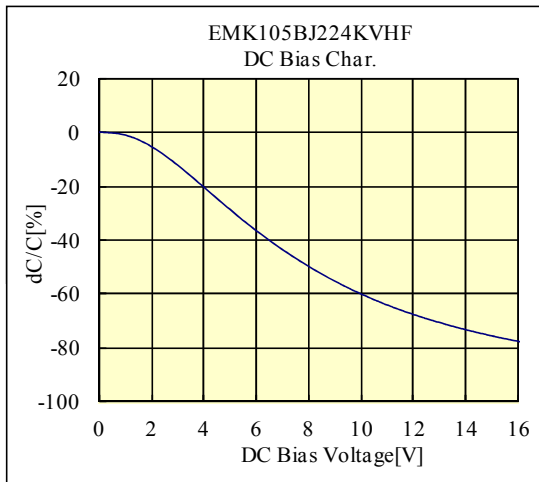
13HA09

RoHS compliance product

○EMK105BJ224KVHF

16V 1005 X5R 0.22uF +/- 10% t=0.55mmMAX

16V 0402 X5R 0.22uF +/- 10% t=0.022inchMAX



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