

# Spec Sheet

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

## EMK105BJ224MVHF



### ■ Features

- Item Summary  
16V, X5R, 0.22  $\mu$ F,  $\pm$ 20%, 0402
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping paper 10000pcs

### ■ Products characteristics table

CaseSize (EIA/JIS)	0402/1005
Rated Voltage (max)	16V
Capacitance	0.22 $\mu$ F
Capacitance Tolerance	$\pm$ 20%
Resistance	500 M $\Omega$ · $\mu$ F min.
Dielectric Loss Tangent	10%MAX
Temperature Characteristics (EIA/JIS)	X5R/-
Temperature Range (EIA/JIS)	-55 to +85 $^{\circ}$ C/-
Capacitance Change (EIA/JIS)	$\pm$ 15/-%
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

### ■ External Dimensions

L	1.0mm $\pm$ 0.05
W	0.5mm $\pm$ 0.05
T	0.5mm $\pm$ 0.05
e	0.25mm $\pm$ 0.10

2015.01.15

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-

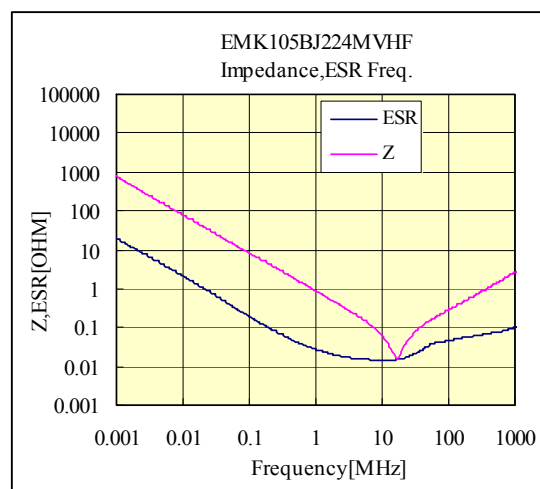
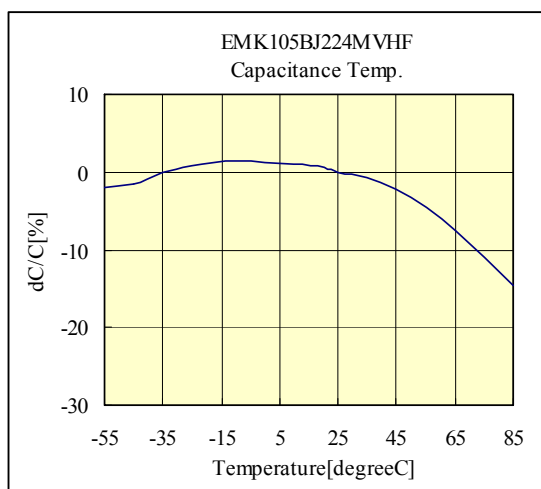
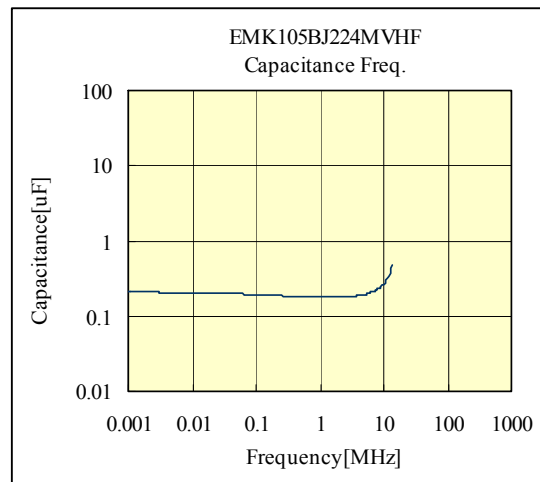
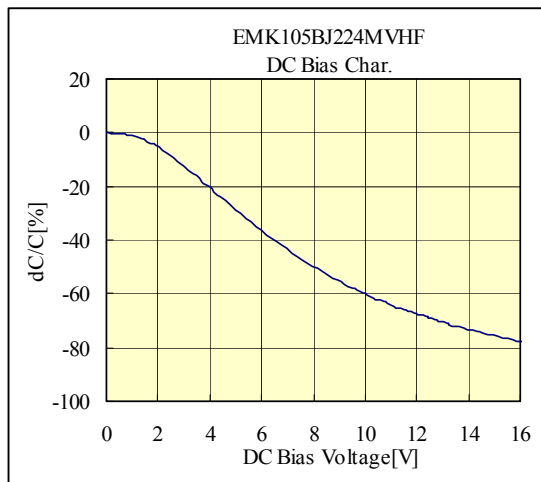
13YA01

RoHS compliance product

## ○EMK105BJ224MVHF

16V 1005 X5R 0.22 $\mu$ F +/- 20% t=0.55mmMAX

16V 0402 X5R 0.22 $\mu$ F +/- 20% t=0.022inchMAX



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