

## Spec Sheet

MLCC (High dielectric type) for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

# EMK105BJ103MVHF



### ■ Features

- Item Summary  
0.01  $\mu\text{F} \pm 20\%$ , 16V,  
X5R, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Paper 10000pcs

### ■ Products characteristics table

Capacitance	0.01 $\mu\text{F} \pm 20\%$
Case Size (EIA/JIS)	0402/1005
Rated Voltage	16 V
$\tan \delta$ (max)	3.5 %
Temperature Characteristic (EIA)	X5R
Operating Temp. Range (EIA)	-55 to +85 °C
High Temperature Loading (% Rated Voltage)	200 %
Insulation Resistance (min)	10 G $\Omega$
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 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

2021.07.01

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
TAIYO YUDEN reserves the right to make change to the data at any time without notice.  
Before making final selection, please check product specification.

## Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

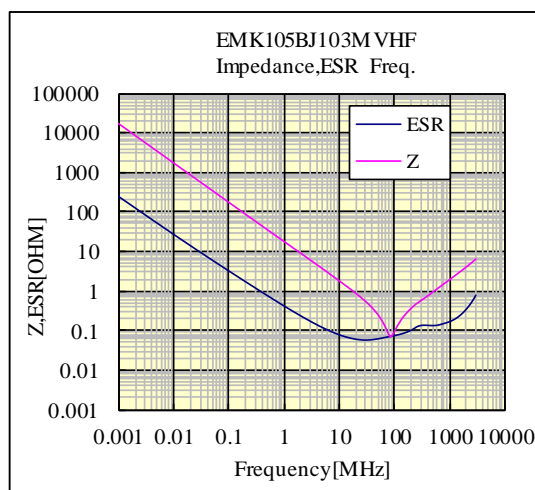
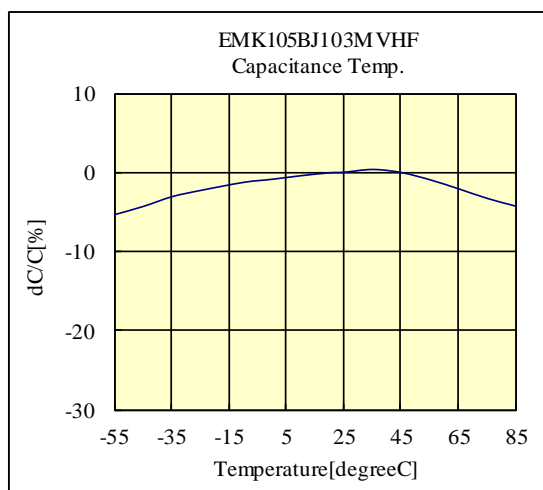
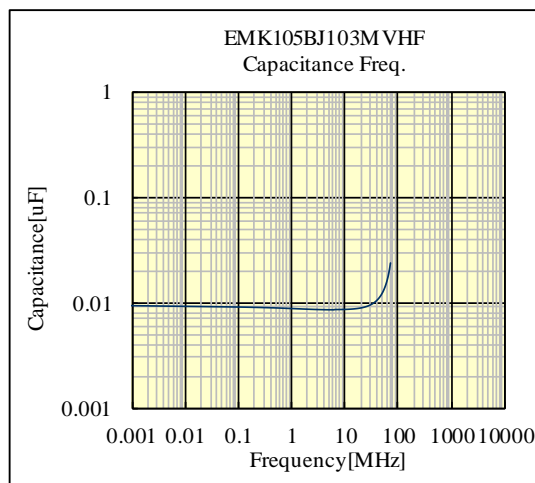
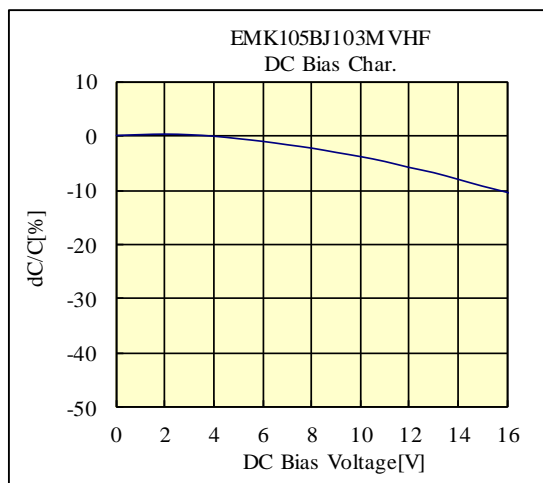
18QA06

RoHS compliance product

### ○EMK105BJ103MVHF

16V 1005 X5R 0.01uF +/- 20% t=0.55mmMAX

16V 0402 X5R 0.01uF +/- 20% t=0.022inchMAX



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Before making final selection, please check product specification.

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