

## High Value Multilayer Ceramic Capacitors (High dielectric type)

## TMK105BJ224MP-F



## ■ Features

- Item Summary  
0.22 $\mu$ F $\pm$ 20%, 25V,  
X5R, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping paper 15000pcs

## ■ Products characteristics table

Capacitance	0.22 $\mu$ F $\pm$ 20 %
Case Size (EIA/JIS)	0402/1005
Rated Voltage	25 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 $\Omega$ · $\mu$ F
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (181 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	0.3 $\pm$ 0.03 mm
Dimension e	0.25 $\pm$ 0.10 mm

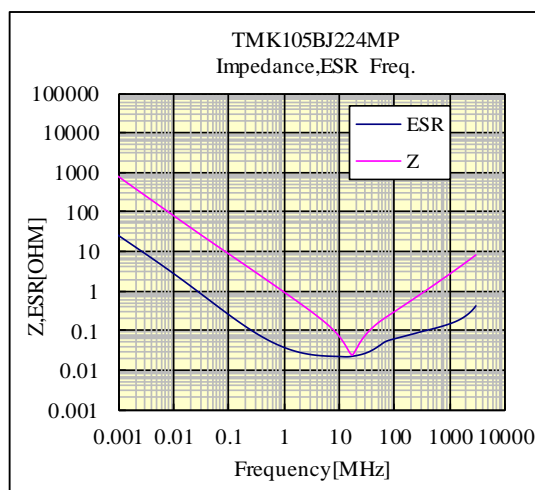
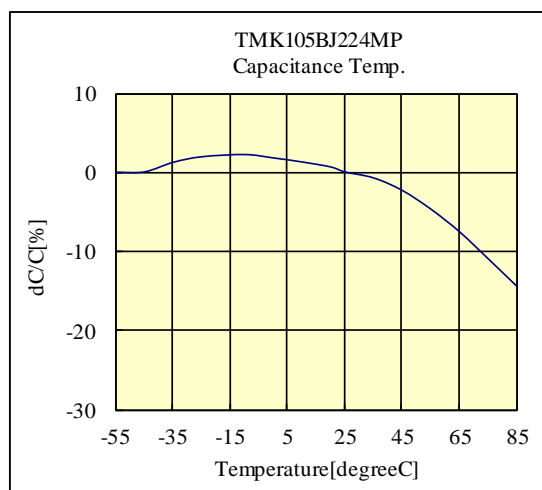
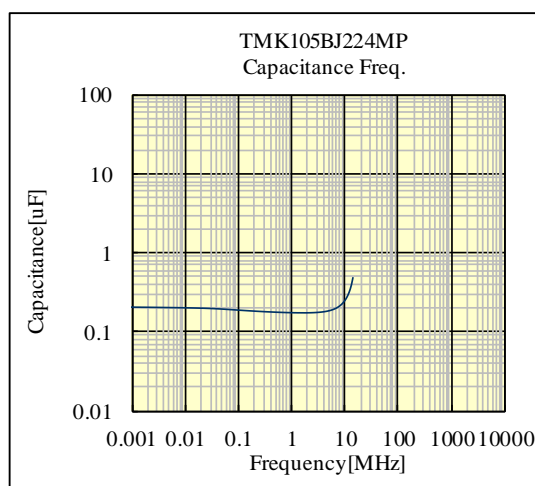
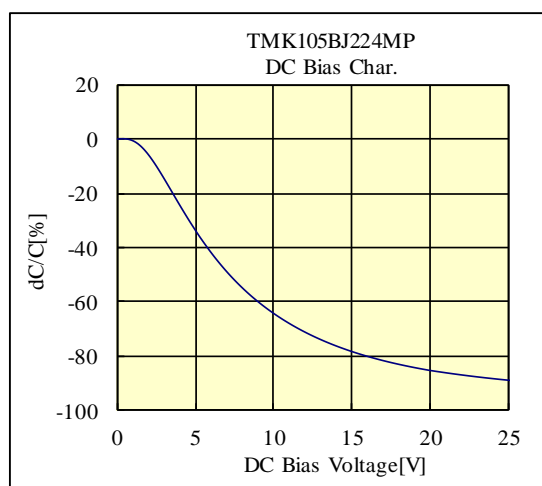
2018.08.20

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.

### ○TMK105BJ224MP

25V 1005 X5R 0.22uF +/- 20% t=0.33mmMAX

25V 0402 X5R 0.22uF +/- 20% t=0.013inchMAX



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Please read this notice before using the TAIYO YUDEN products.



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- Please conduct validation and verification of our products in actual condition of mounting and operating environment before using our products.
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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment\*, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

\*Note: There is a possibility that our products can be used only for aviation equipment that does not directly affect the safe operation of aircraft (e.g., in-flight entertainment, cabin light, electric seat, cooking equipment) if such use meets requirements specified separately by TAIYO YUDEN. Please be sure to contact TAIYO YUDEN for further information before using our products for such aviation equipment.

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