

## Multilayer Ceramic Capacitors (High dielectric type)

## EMK105BJ683KV-F



## ■ Features

- Item Summary  
0.068uF±10%, 16V,  
X5R/B, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
Non-preferred
- Standard packaging quantity (minimum)  
Taping Paper 10000pcs

## ■ Products characteristics table

|   |                 |
|---|-----------------|
| Capacitance                                   | 0.068 uF ± 10 % |
| Case Size (EIA/JIS)                           | 0402/1005       |
| Rated Voltage                                 | 16 V            |
| tan δ (max)                                   | 5 %             |
| Temperature Characteristic (EIA)              | X5R             |
| Operating Temp. Range (EIA)                   | -55 to +85 °C   |
| Temperature Characteristic (JIS)              | B               |
| Operating Temp. Range (JIS)                   | -25 to +85 °C   |
| High Temperature Loading<br>(% Rated Voltage) | 200 %           |
| Insulation Resistance (min)                   | 500 MΩ · μF     |
| RoHS Compliance (10 subst.)                   | Yes             |
| REACH Compliance (209 subst.)                 | Yes             |
| Halogen Free                                  | Yes             |
| Soldering                                     | Reflow          |

## ■ External Dimensions

|             |               |
|-------------|---------------|
| Dimension L | 1.0 ±0.05 mm  |
| Dimension W | 0.5 ±0.05 mm  |
| Dimension T | 0.5 ±0.05 mm  |
| Dimension e | 0.25 ±0.10 mm |

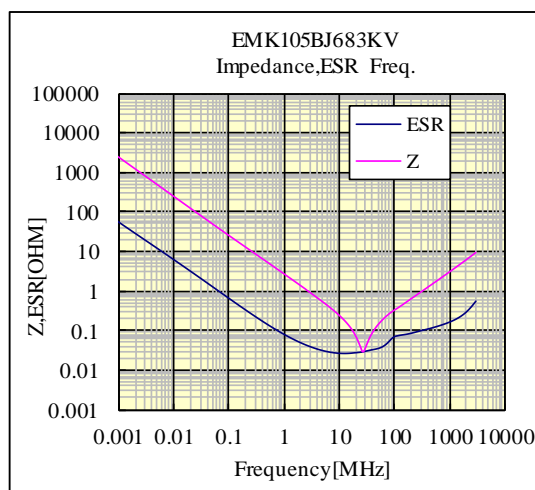
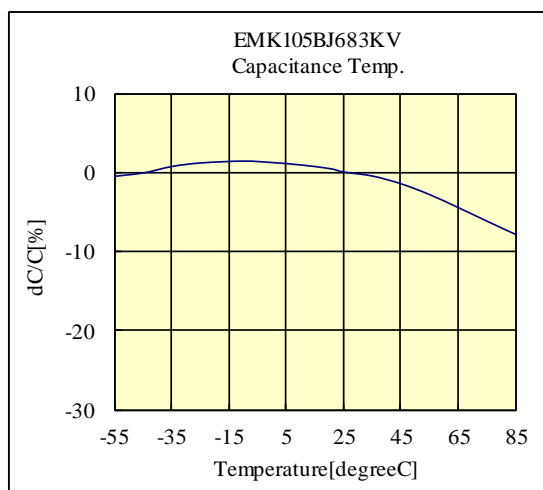
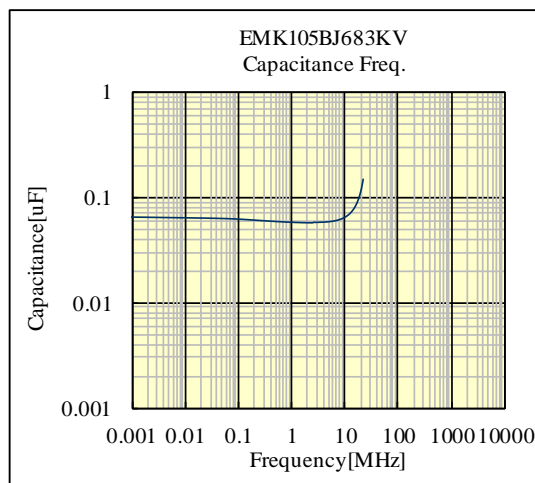
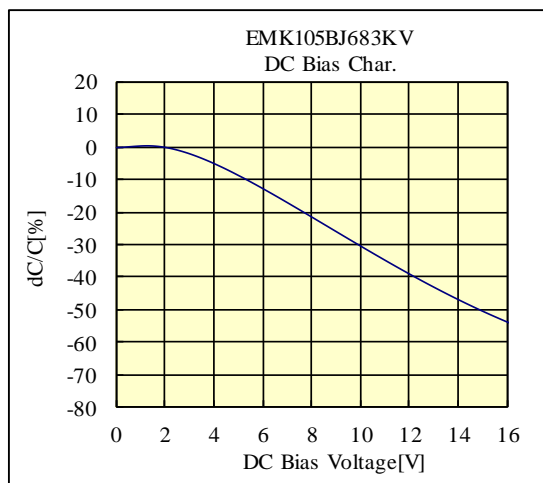
2021.07.01

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.

### ○EMK105BJ683KV

16V 1005 B/X5R 0.068uF +/- 10% t=0.55mmMAX

16V 0402 B/X5R 0.068uF +/- 10% t=0.022inchMAX



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Please read this notice before using the TAIYO YUDEN 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).

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