

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

### EMK042B7101MC-W



#### ■ Features

- Item Summary  
16V, X7R, 100pF, ±20%, 01005
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 40000pcs

#### ■ Products characteristics table

|                                       |                 |
|---------------------------------------|-----------------|
| CaseSize (EIA/JIS)                    | 01005/0402      |
| Rated Voltage (max)                   | 16V             |
| Capacitance                           | 100pF           |
| Capacitance Tolerance                 | ±20%            |
| Temperature Characteristics (EIA/JIS) | X7R/-           |
| Temperature Range (EIA/JIS)           | -55 to +125°C/- |
| Capacitance Change (EIA/JIS)          | ±15/-%          |
| Dielectric Loss Tangent               | 5%MAX           |
| Resistance                            | 10,000 MΩ min.  |
| RoHS Compliance                       | Yes             |
| Halogen Free                          | Yes             |
| Soldering Method                      | Reflow          |

#### ■ External Dimensions

|   |             |
|---|-------------|
| L | 0.4mm ±0.02 |
| W | 0.2mm ±0.02 |
| T | 0.2mm ±0.02 |
| e | 0.1mm ±0.03 |

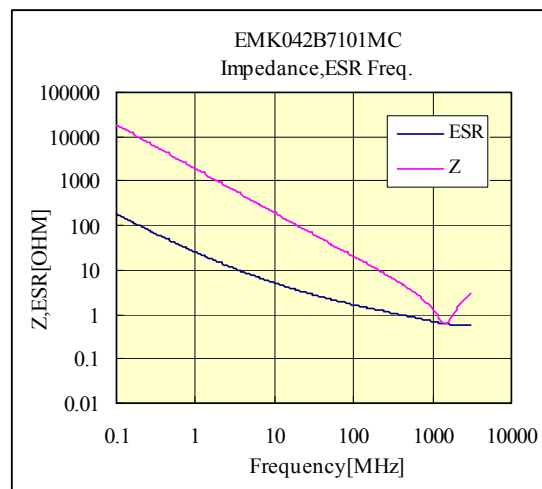
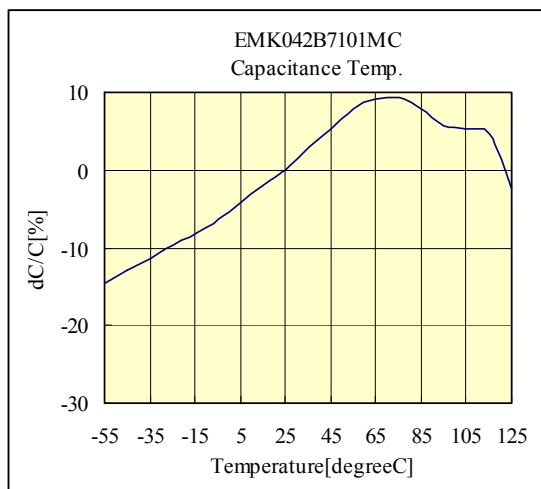
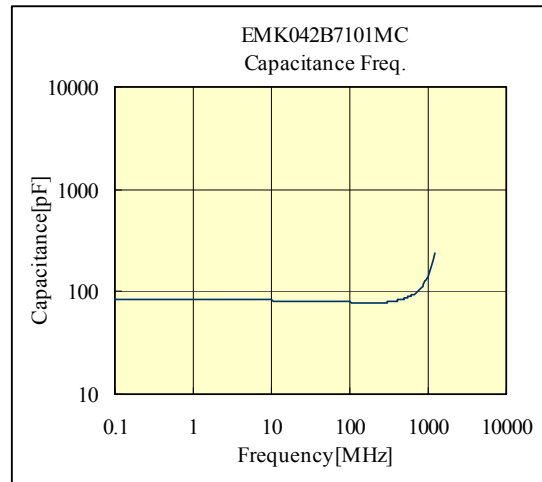
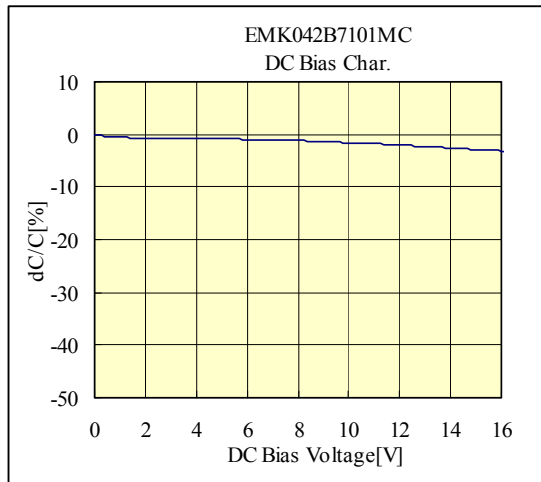
2015.07.09

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.

## ○EMK042B7101MC

16V 0402 X7R 100pF +/- 20% t=0.22mmMAX

16V 01005 X7R 100pF +/- 20% t=0.009inchMAX



部品特性は設置環境、測定条件等により変化する場合があります。本データをご使用される際は実際の製品特性に対する参考データとしてご利用ください。また、本データは予告無く追加・削除及び変更を行う場合があります。ご注文の際は、納入仕様書のご確認をお願いします。

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.