

## Spec Sheet

Multilayer Ceramic Capacitors (High dielectric type) for Automotive (BODY & CHASSIS, INFOTAINMENT) / Industrial Applications

# EMK212BBJ106KGHT



### ■ Features

- Item Summary  
10uF±10%, 16V,  
X5R, 0805/2012 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 3000pcs

### ■ Products characteristics table

|                                               |               |
|-----------------------------------------------|---------------|
| Capacitance                                   | 10 uF ± 10 %  |
| Case Size (EIA/JIS)                           | 0805/2012     |
| Rated Voltage                                 | 16 V          |
| tan δ (max)                                   | 10 %          |
| Temperature Characteristic (EIA)              | X5R           |
| Operating Temp. Range (EIA)                   | -55 to +85 °C |
| High Temperature Loading<br>(% Rated Voltage) | 150 %         |
| Insulation Resistance (min)                   | 100 MΩ · μF   |
| RoHS Compliance (10 subst.)                   | Yes           |
| REACH Compliance (191 subst.)                 | Yes           |
| Halogen Free                                  | Yes           |
| Soldering                                     | Reflow        |

### ■ External Dimensions

|             |                     |
|-------------|---------------------|
| Dimension L | 2.0 +0.20/-0.00 mm  |
| Dimension W | 1.25 +0.20/-0.00 mm |
| Dimension T | 1.25 +0.20/-0.00 mm |
| Dimension e | 0.50 ±0.25 mm       |

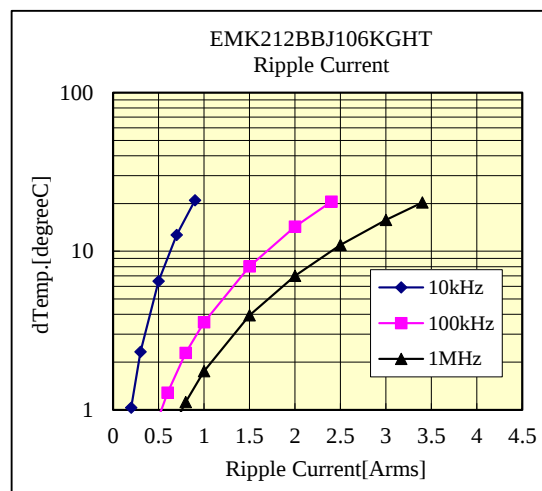
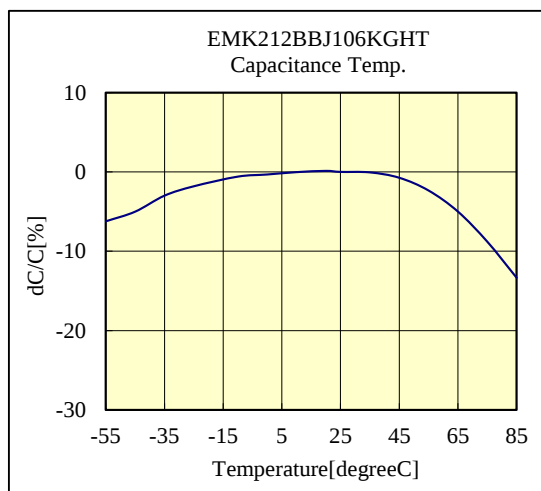
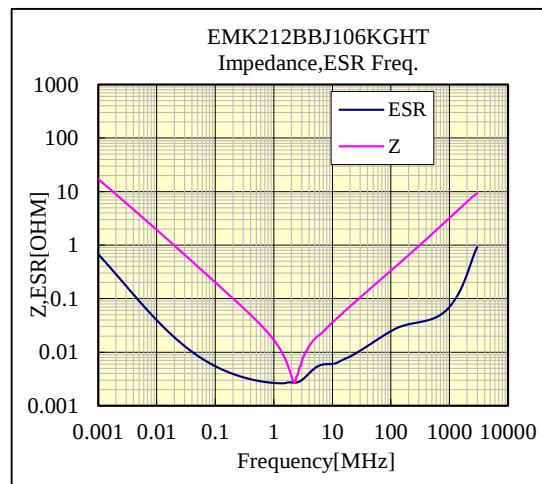
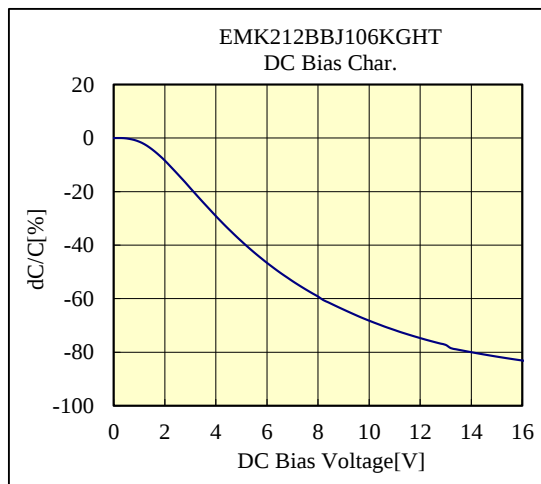
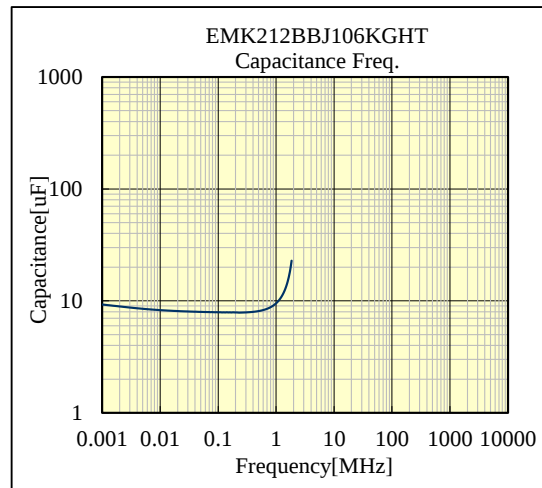
2019.06.04

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.

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**16V 2012 X5R 10uF +/- 10% t=1.45mmMAX**

**16V 0805 X5R 10uF +/- 10% t=0.057inchMAX**



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