

## Spec Sheet

Medium-High Voltage MLCC for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

# HMK212B7102MDHT



### ■ Features

- Item Summary  
1000pF±20%, 100V,  
X7R, 0805/2012 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Paper 4000pcs

### ■ Products characteristics table

|   |                |
|---|----------------|
| Capacitance                                   | 1000 pF ± 20 % |
| Case Size (EIA/JIS)                           | 0805/2012      |
| Rated Voltage                                 | 100 V          |
| tan δ (max)                                   | 2.5 %          |
| Temperature Characteristic (EIA)              | X7R            |
| Operating Temp. Range (EIA)                   | -55 to +125 °C |
| High Temperature Loading<br>(% Rated Voltage) | 150 %          |
| Insulation Resistance (min)                   | 10 GΩ          |
| RoHS Compliance (10 subst.)                   | Yes            |
| REACH Compliance (209 subst.)                 | Yes            |
| Halogen Free                                  | Yes            |
| Soldering                                     | Reflow         |

### ■ External Dimensions

|             |               |
|-------------|---------------|
| Dimension L | 2.0 ±0.10 mm  |
| Dimension W | 1.25 ±0.10 mm |
| Dimension T | 0.85 ±0.10 mm |
| Dimension e | 0.50 ±0.25 mm |

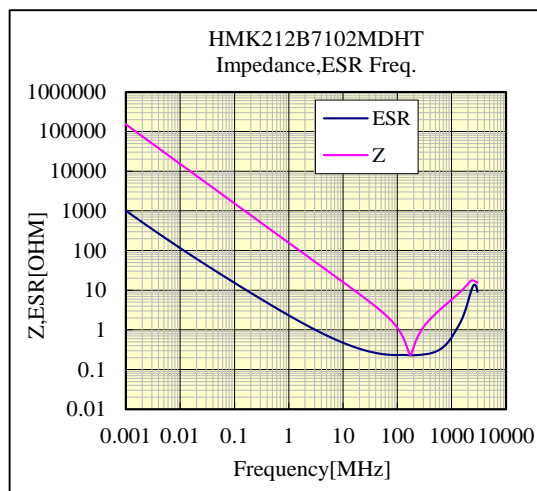
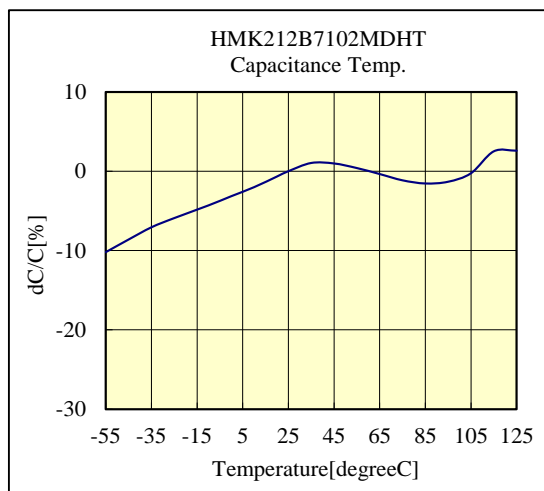
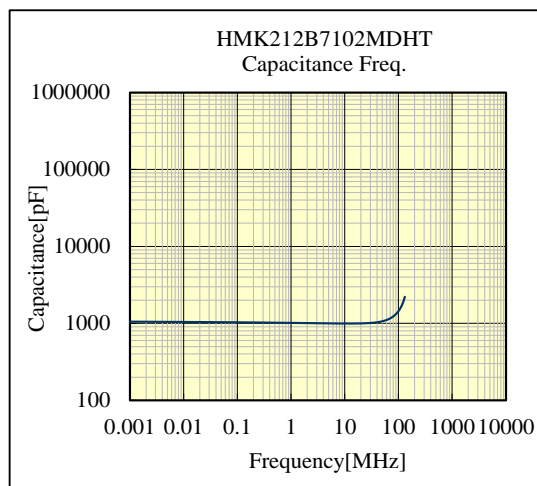
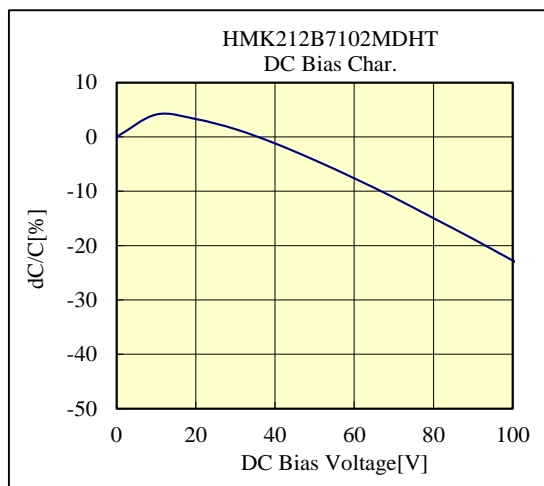
2021.07.01

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.

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100V 2012 X7R 1000pF +/- 20% t=0.95mmMAX

100V 0805 X7R 1000pF +/- 20% t=0.037inchMAX



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