

## Spec Sheet

MLCC (High dielectric type) for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

# TMK105B7223KVHF



### ■ Features

- Item Summary  
0.022uF±10%, 25V,  
X7R, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Paper 10000pcs

### ■ Products characteristics table

|   |                 |
|---|-----------------|
| Capacitance                                   | 0.022 uF ± 10 % |
| Case Size (EIA/JIS)                           | 0402/1005       |
| Rated Voltage                                 | 25 V            |
| tan δ (max)                                   | 3.5 %           |
| 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 | 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.

## Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

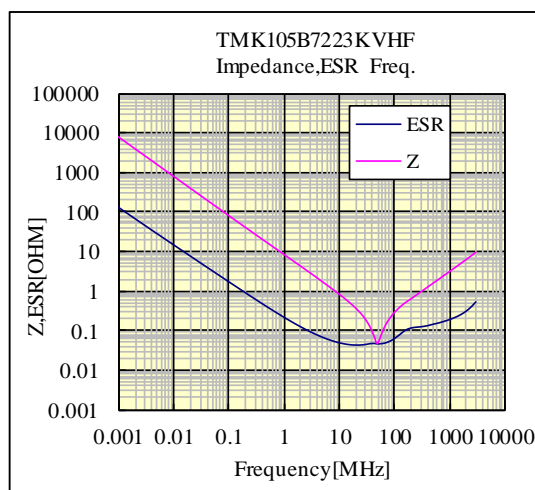
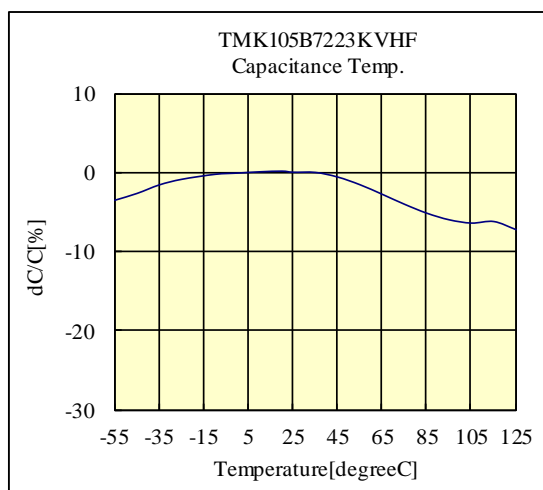
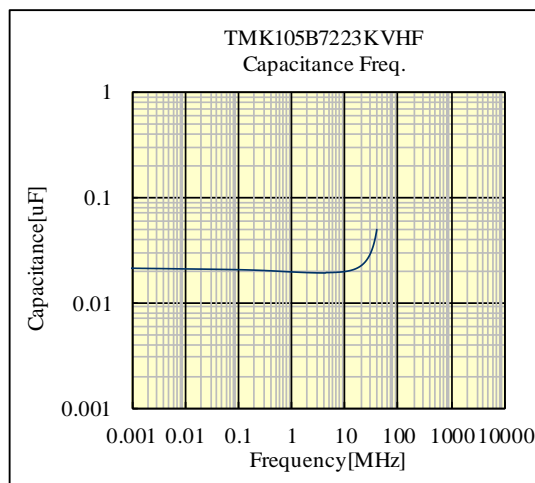
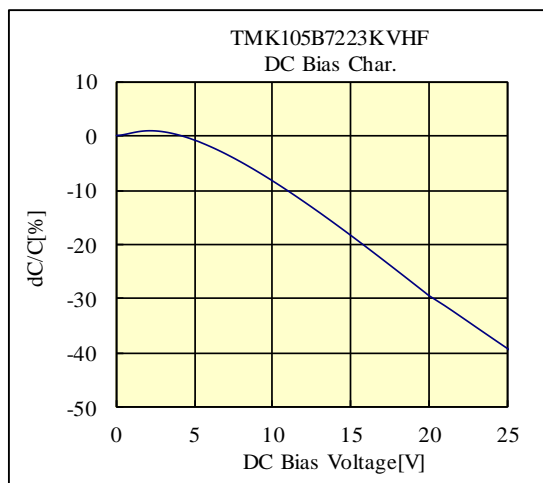
18QA06

RoHS compliance product

### ○TMK105B7223KVHF

25V 1005 X7R 0.022uF +/- 10% t=0.55mmMAX

25V 0402 X7R 0.022uF +/- 10% t=0.022inchMAX



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Before making final selection, please check product specification.

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