

## Spec Sheet

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

# TMK063B7221MPHFE



### ■ Features

- Item Summary  
220pF $\pm$ 20%, 25V,  
X7R, 0201/0603 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Paper 15000pcs

### ■ Products characteristics table

|                                               |                   |
|-----------------------------------------------|-------------------|
| Capacitance                                   | 220 pF $\pm$ 20 % |
| Case Size (EIA/JIS)                           | 0201/0603         |
| Rated Voltage                                 | 25 V              |
| $\tan \delta$ (max)                           | 3.5 %             |
| Temperature Characteristic (EIA)              | X7R               |
| Operating Temp. Range (EIA)                   | -55 to +125 °C    |
| High Temperature Loading<br>(% Rated Voltage) | 200 %             |
| Insulation Resistance (min)                   | 10 G $\Omega$     |
| RoHS Compliance (10 subst.)                   | Yes               |
| REACH Compliance (209 subst.)                 | Yes               |
| Halogen Free                                  | Yes               |
| Soldering                                     | Reflow            |

### ■ External Dimensions

|             |                    |
|-------------|--------------------|
| Dimension L | 0.6 $\pm$ 0.03 mm  |
| Dimension W | 0.3 $\pm$ 0.03 mm  |
| Dimension T | 0.3 $\pm$ 0.03 mm  |
| Dimension e | 0.15 $\pm$ 0.05 mm |

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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-

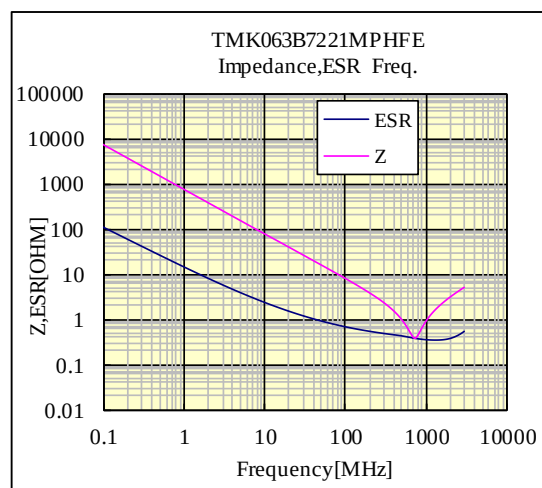
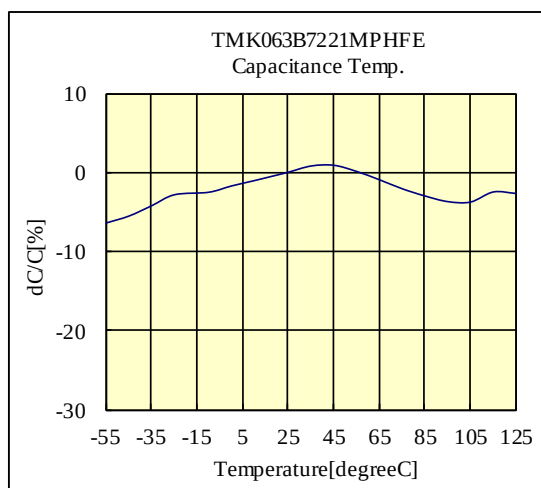
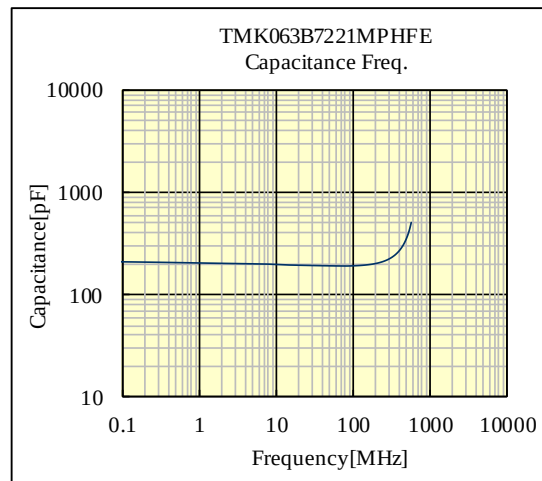
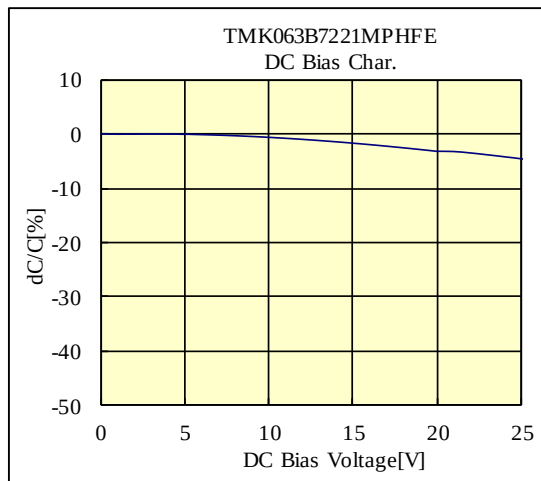
20U1A03

RoHS compliance product

### ○TMK063B7221MPHFE

25V 0603 X7R 220pF +/- 20% t=0.33mmMAX

25V 0201 X7R 220pF +/- 20% t=0.013inchMAX



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Before making final selection, please check product specification.

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