

# Spec Sheet

Soft Termination MLCC for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

## QMJ316BB7223MLHT



### ■ Features

- Item Summary  
0.022 $\mu$ F $\pm$ 20%, 250V,  
X7R, 1206/3216 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 2000pcs

### ■ Products characteristics table

|   |                          |
|---|--------------------------|
| Capacitance                                   | 0.022 $\mu$ F $\pm$ 20 % |
| Case Size (EIA/JIS)                           | 1206/3216                |
| Rated Voltage                                 | 250 V                    |
| $\tan \delta$ (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)                   | 100 M $\Omega$ · $\mu$ F |
| RoHS Compliance (10 subst.)                   | Yes                      |
| REACH Compliance (209 subst.)                 | Yes                      |
| Halogen Free                                  | Yes                      |
| Soldering                                     | Reflow                   |

### ■ External Dimensions

|             |                   |
|-------------|-------------------|
| Dimension L | 3.2 $\pm$ 0.30 mm |
| Dimension W | 1.6 $\pm$ 0.30 mm |
| Dimension T | 1.6 $\pm$ 0.30 mm |
| Dimension e | 0.60 +0.4/-0.3 mm |

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.

2021.09.21

## Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

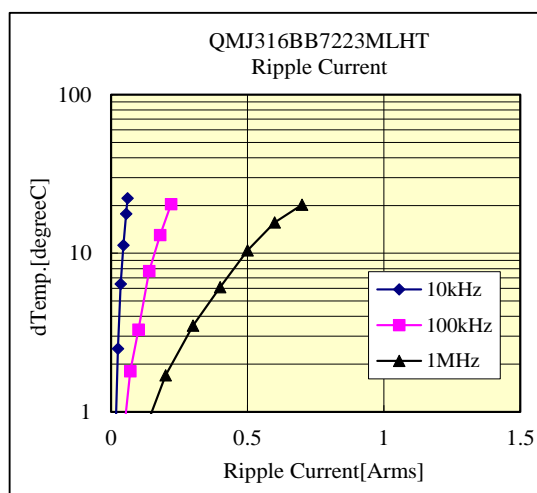
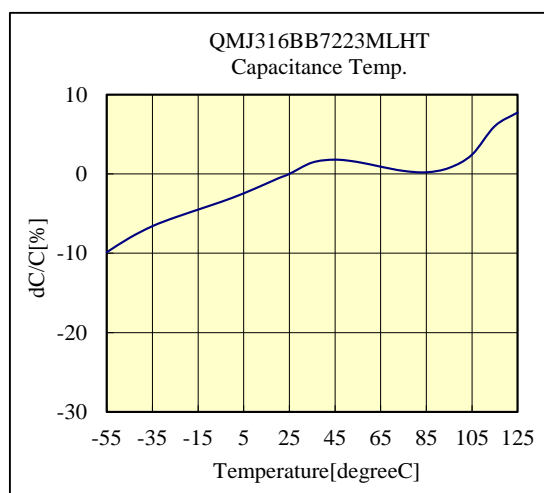
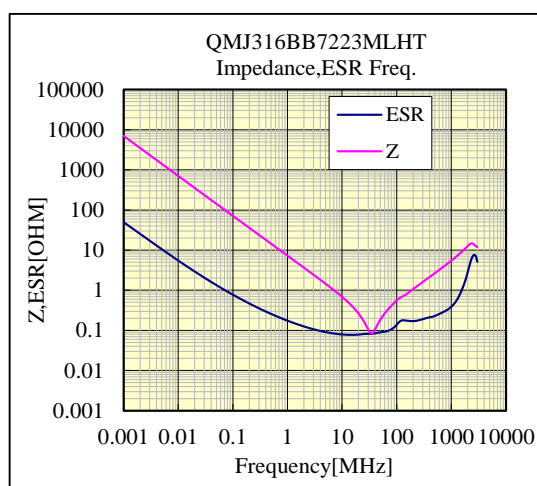
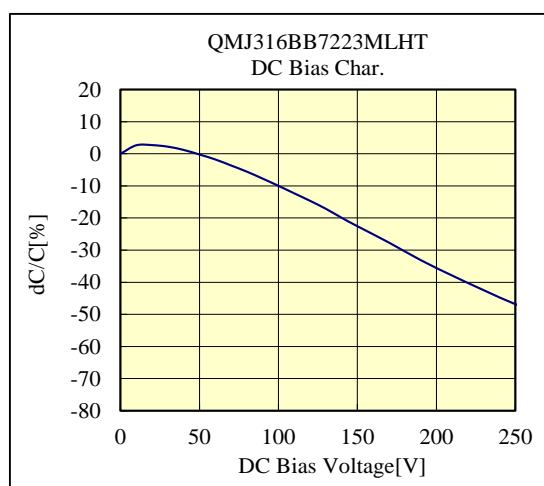
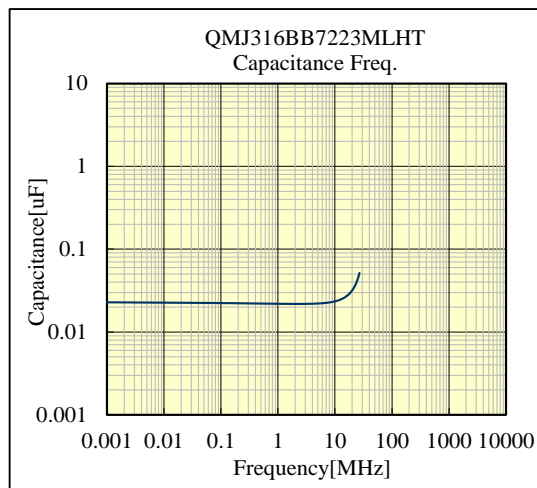
17QA07

RoHS compliance product

### ○QMJ316BB7223MLHT

250V 3216 X7R 0.022uF +/- 20% t=1.9mmMAX

250V 1206 X7R 0.022uF +/- 20% t=0.075inchMAX



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Before making final selection, please check product specification.

Please read this notice before using the TAIYO YUDEN products.



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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment\*, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

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