

Spec Sheet

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

UMJ316BB7105MLHT



■ Features

- Item Summary
1 μ F \pm 20%, 50V,
X7R, 1206/3216 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs

■ Products characteristics table

| | |
|---|--------------------------|
| Capacitance | 1 μ F \pm 20 % |
| Case Size (EIA/JIS) | 1206/3216 |
| Rated Voltage | 50 V |
| $\tan \delta$ (max) | 3.5 % |
| Temperature Characteristic (EIA) | X7R |
| Operating Temp. Range (EIA) | -55 to +125 °C |
| High Temperature Loading (% Rated Voltage) | 200 % |
| Insulation Resistance (min) | 100 M Ω · μ 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 |

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

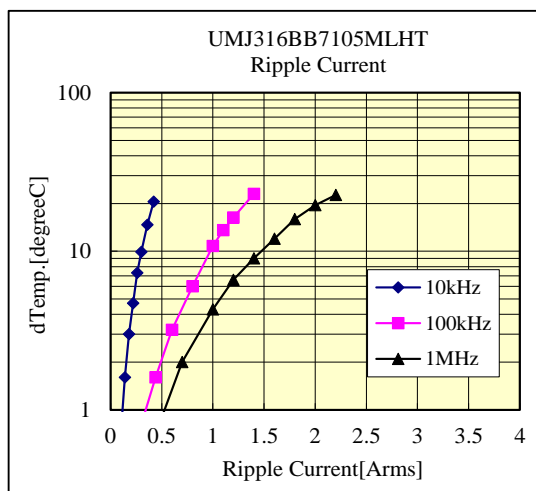
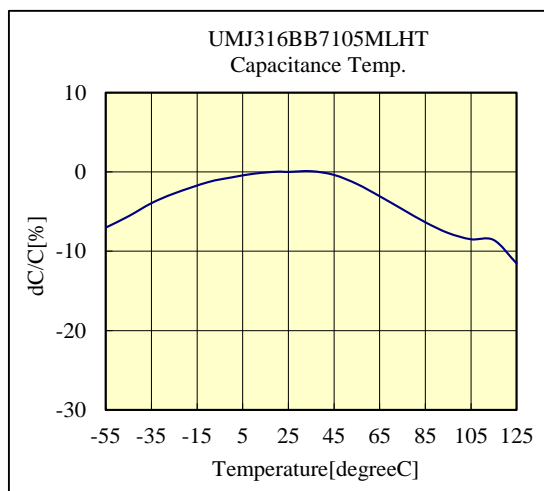
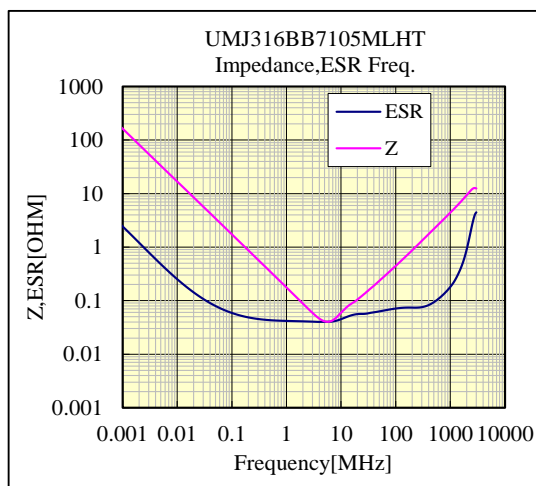
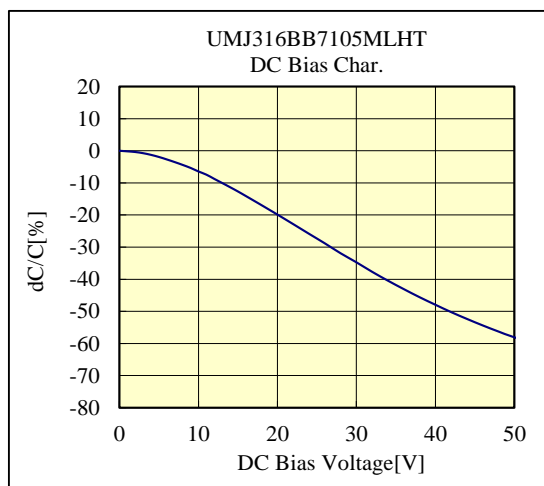
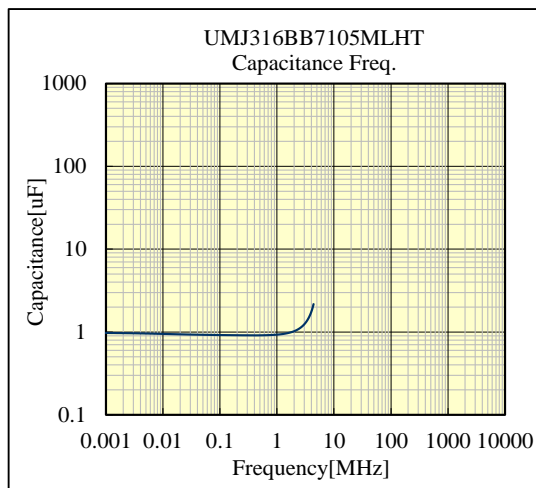
-Electrical Characteristics Data-

17U1A07

RoHS compliance product

○UMJ316BB7105MLHT

50V 3216 X7R 1uF +/- 20% t=1.9mmMAX
50V 1206 X7R 1uF +/- 20% t=0.075inchMAX



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