

# Spec Sheet

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

## UMK316ABJ475MLHT



### ■ Features

- Item Summary  
4.7 $\mu$ F $\pm$ 20%, 50V,  
X5R, 1206/3216 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 2000pcs

### ■ Products characteristics table

|   |                          |
|---|--------------------------|
| Capacitance                                   | 4.7 $\mu$ F $\pm$ 20 %   |
| Case Size (EIA/JIS)                           | 1206/3216                |
| Rated Voltage                                 | 50 V                     |
| $\tan \delta$ (max)                           | 10 %                     |
| Temperature Characteristic (EIA)              | X5R                      |
| Operating Temp. Range (EIA)                   | -55 to +85 °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 $\pm$ 0.20 mm   |
| Dimension W | 1.6 $\pm$ 0.20 mm   |
| Dimension T | 1.6 $\pm$ 0.20 mm   |
| Dimension e | 0.50 +0.35/-0.25 mm |

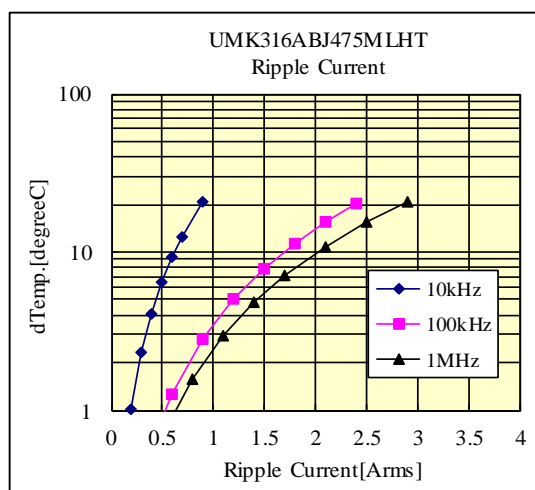
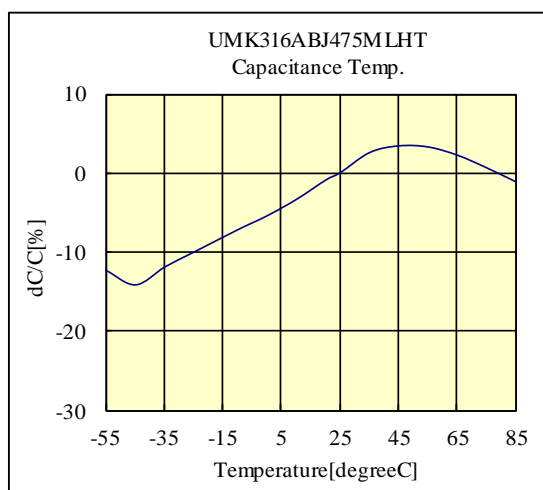
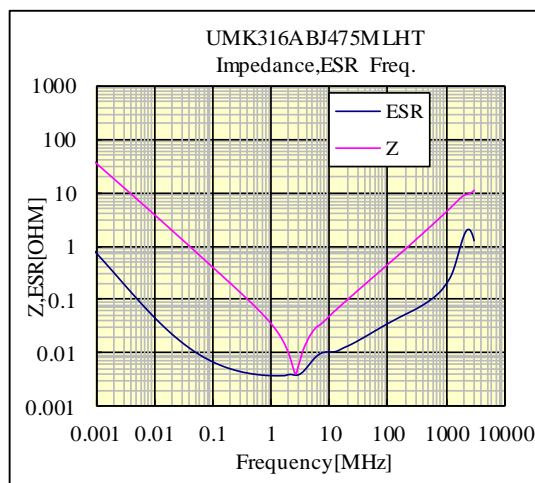
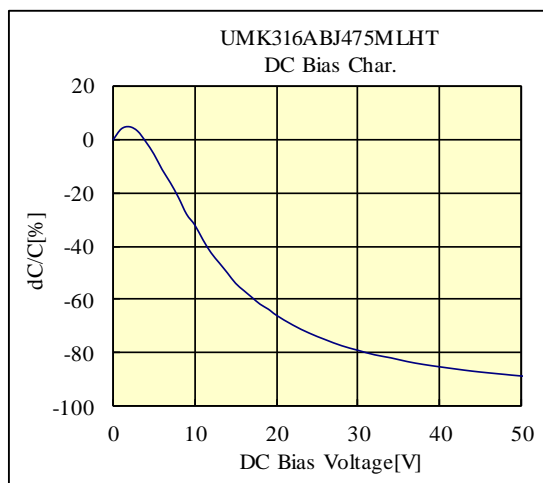
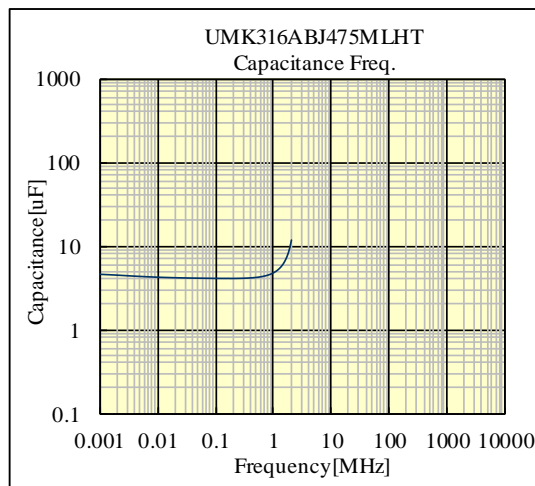
2021.07.01

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.

### ○UMK316ABJ475MLHT

**50V 3216 X5R 4.7uF +/- 20% t=1.8mmMAX**

**50V 1206 X5R 4.7uF +/- 20% t=0.071inchMAX**



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Before making final selection, please check product specification.

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