

# Spec Sheet

Medium-High Voltage Multilayer Ceramic Capacitors for Automotive (BODY & CHASSIS, INFOTAINMENT) / Industrial Applications

## SMK316AB7333MLHT



### ■ Features

- Item Summary  
0.033uF±20%, 630V,  
X7R, 1206/3216 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 2000pcs

### ■ Products characteristics table

Capacitance	0.033 uF ± 20 %
Case Size (EIA/JIS)	1206/3216
Rated Voltage	630 V
tan δ (max)	2.5 %
Temperature Characteristic (EIA)	X7R
Operating Temp. Range (EIA)	-55 to +125 °C
High Temperature Loading (% Rated Voltage)	120 %
Insulation Resistance (min)	100 MΩ · μF
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (181 subst.)	Yes
Soldering	Reflow

### ■ External Dimensions

Dimension L	3.2 ±0.20 mm
Dimension W	1.6 ±0.20 mm
Dimension T	1.6 ±0.20 mm
Dimension e	0.50 +0.35/-0.25 mm

2018.10.15

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-

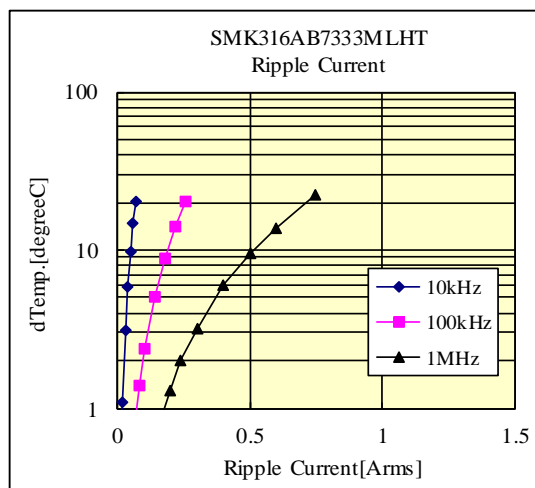
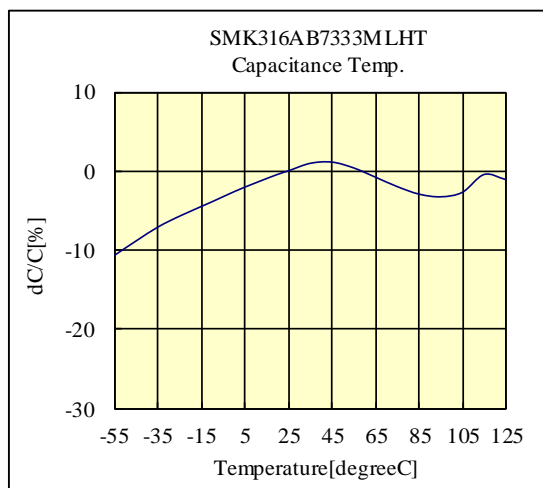
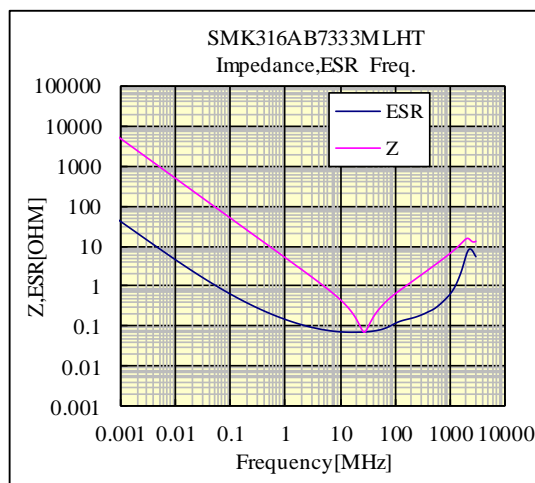
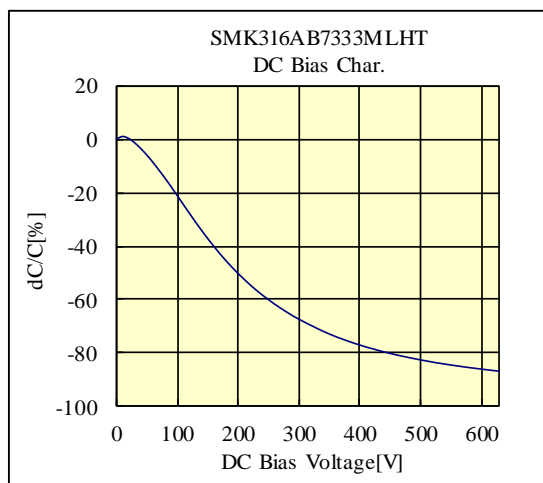
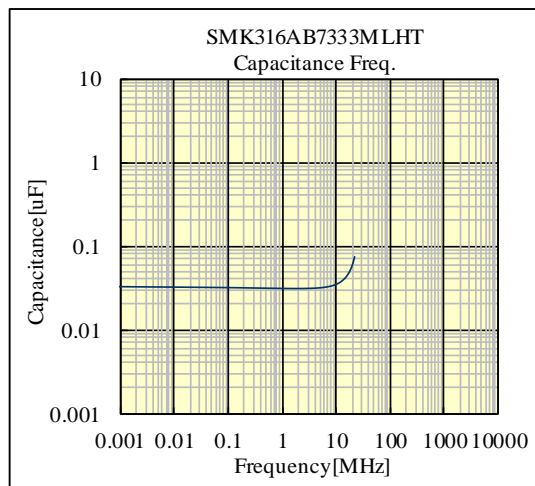
18U1A09

RoHS compliance product

### ○SMK316AB7333MLHT

**630V 3216 X7R 0.033uF +/- 20% t=1.8mmMAX**

**630V 1206 X7R 0.033uF +/- 20% t=0.071inchMAX**



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