

Spec Sheet

Medium-High Voltage MLCC for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

SMK316AB7333KLHT



■ Features

- Item Summary
0.033uF±10%, 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 ± 10 %
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
RoHS Compliance (10 subst.)	Yes
REACH Compliance (201 subst.)	Yes
Halogen Free	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

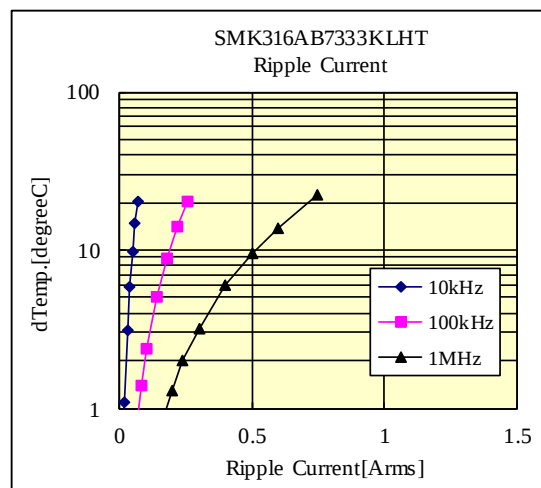
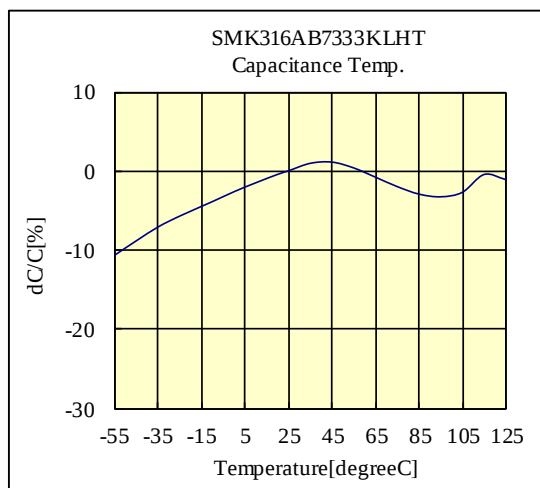
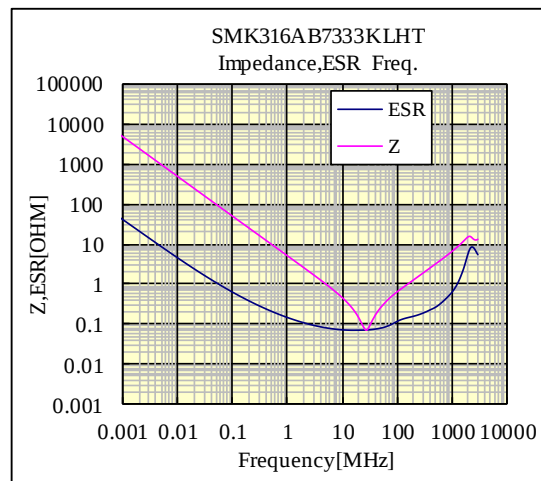
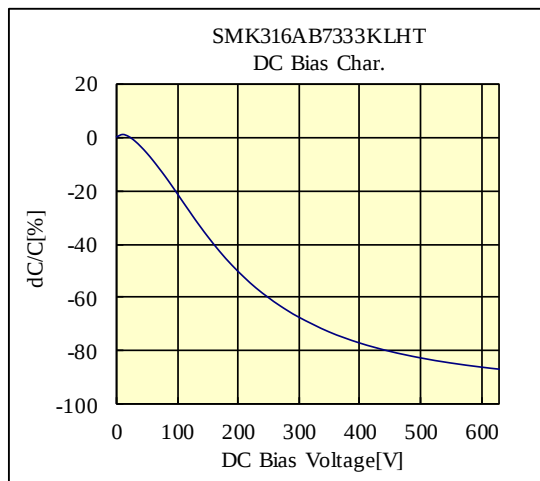
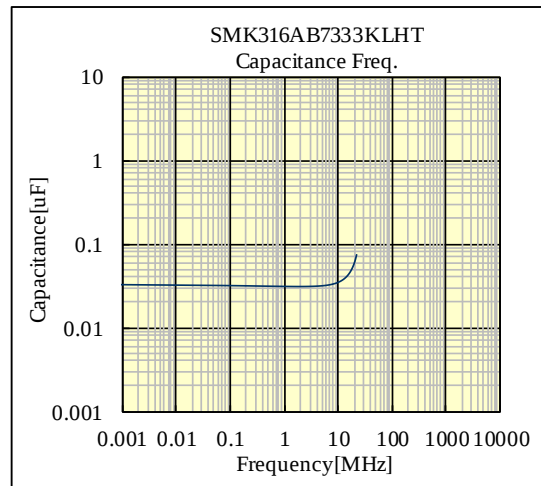
2019.10.24

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.

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630V 3216 X7R 0.033 μ F +/- 10% t=1.8mmMAX

630V 1206 X7R 0.033 μ F +/- 10% t=0.071inchMAX



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Please read this notice before using the TAIYO YUDEN products.



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When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.

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