

MLCC for Automotive (POWERTRAIN, SAFETY) Applications

UMF316B7105KLHT



■ Features

- Item Summary
1 μ F \pm 10%, 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 10 %
Case Size (EIA/JIS)	1206/3216
Rated Voltage	50 V
tan δ (max)	3.5 %
Temperature Characteristic (EIA)	X7R
Operating Temp. Range (EIA)	-55 to +125 °C
High Temperature Loading (% Rated Voltage)	150 %
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 0.15 mm
Dimension W	1.6 \pm 0.15 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.

Multi Layer Ceramic Capacitor

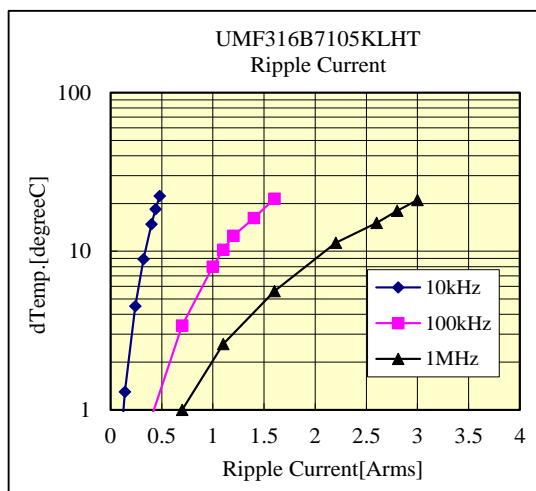
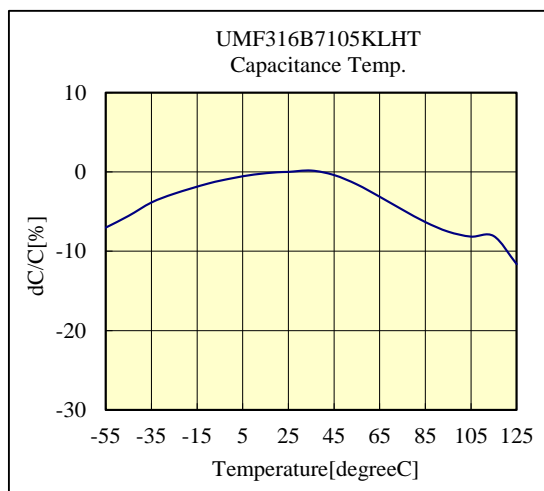
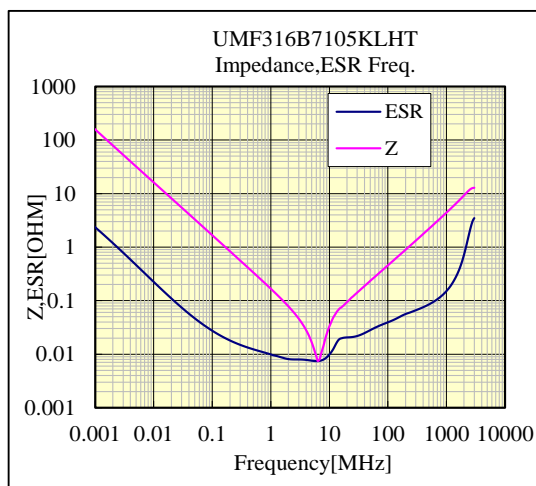
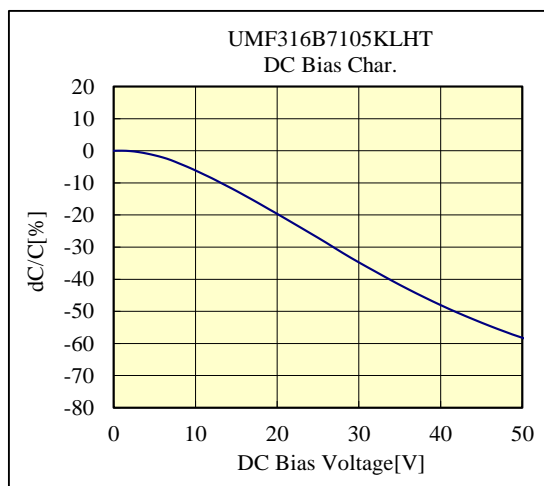
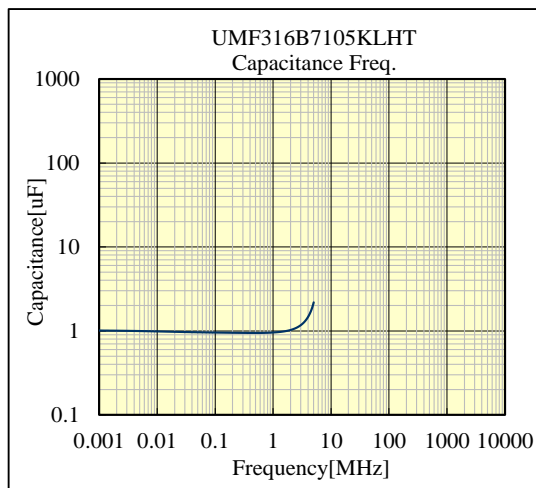
-Electrical Characteristics Data-

18U1A03

RoHS compliance product

○UMF316B7105KLHT

50V 3216 X7R 1uF +/- 10% t=1.8mmMAX
50V 1206 X7R 1uF +/- 10% t=0.071inchMAX



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