

Spec Sheet

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

SMK316B7102MFHT



■ Features

- Item Summary
1000pF $\pm$ 20%, 630V,
X7R, 1206/3216 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Embossed 3000pcs

■ Products characteristics table

Capacitance	1000 pF $\pm$ 20 %
Case Size (EIA/JIS)	1206/3216
Rated Voltage	630 V
$\tan \delta$ (max)	2.5 %
Temperature Characteristic (EIA)	X7R
Operating Temp. Range (EIA)	-55 to +125 °C
High Temperature Loading (% Rated Voltage)	120 %
Insulation Resistance (min)	10 G Ω
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	1.15 $\pm$ 0.10 mm
Dimension e	0.50 +0.35/-0.25 mm

2021.10.02

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-

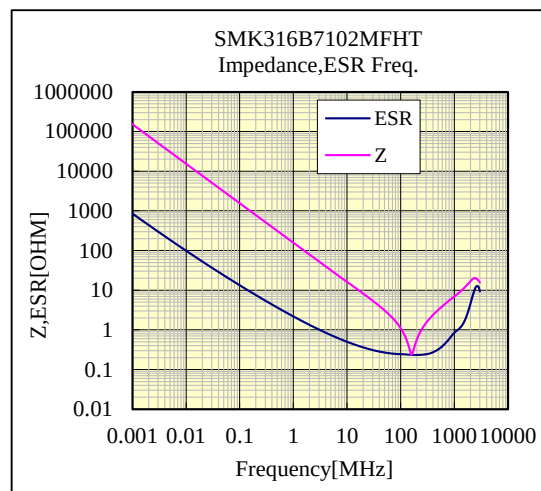
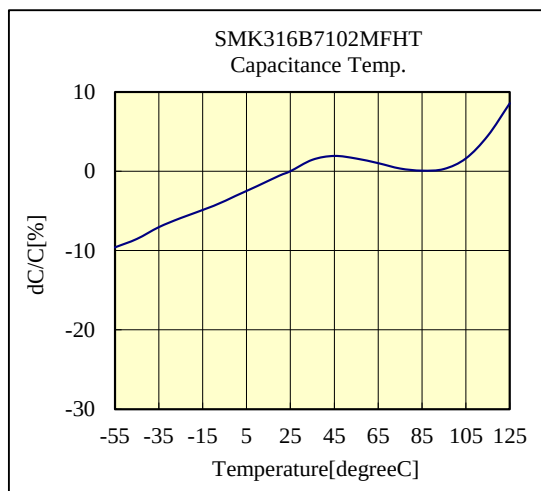
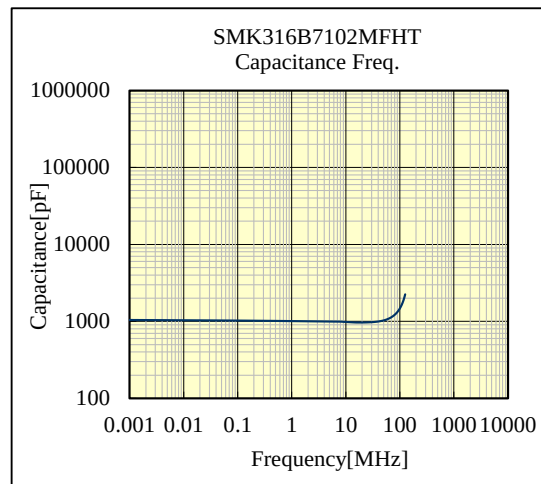
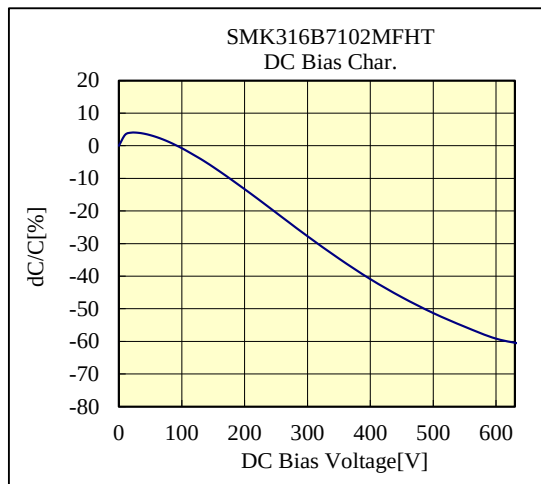
17QA07

RoHS compliance product

○SMK316B7102MFHT

630V 3216 X7R 1000pF +/- 20% t=1.25mmMAX

630V 1206 X7R 1000pF +/- 20% t=0.049inchMAX



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