

Spec Sheet

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

SMK316B7103KFHT



■ Features

- Item Summary
0.01 $\mu\text{F} \pm 10\%$, 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 | 0.01 $\mu\text{F} \pm 10\%$ |
| 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 ± 0.15 mm |
| Dimension W | 1.6 ± 0.15 mm |
| Dimension T | 1.15 ± 0.10 mm |
| Dimension e | 0.50 +0.35/-0.25 mm |

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.

2021.07.01

Multi Layer Ceramic Capacitor

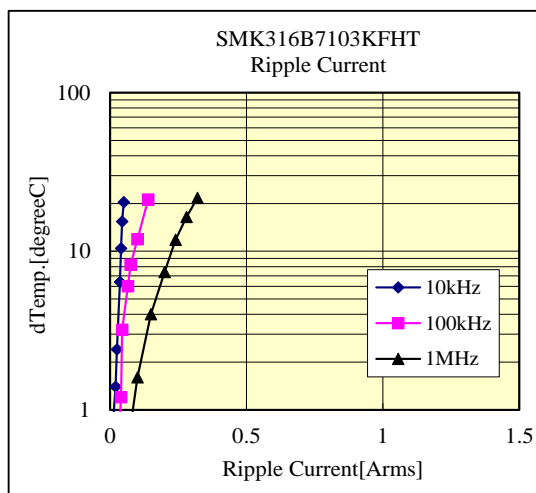
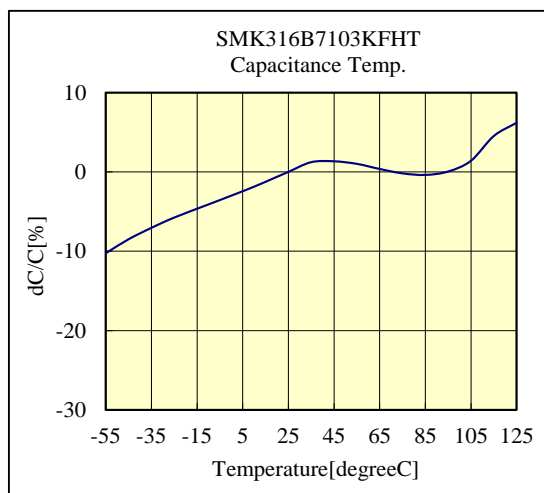
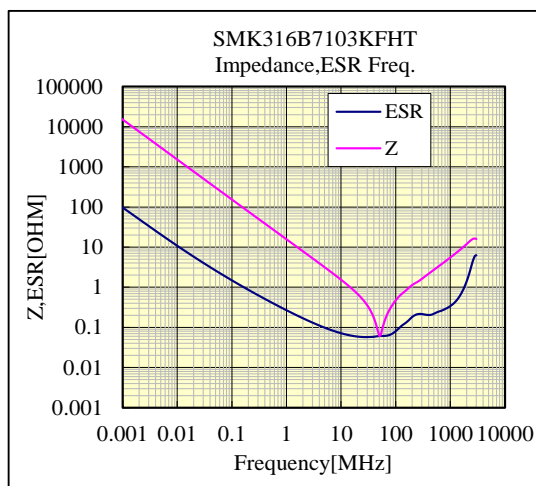
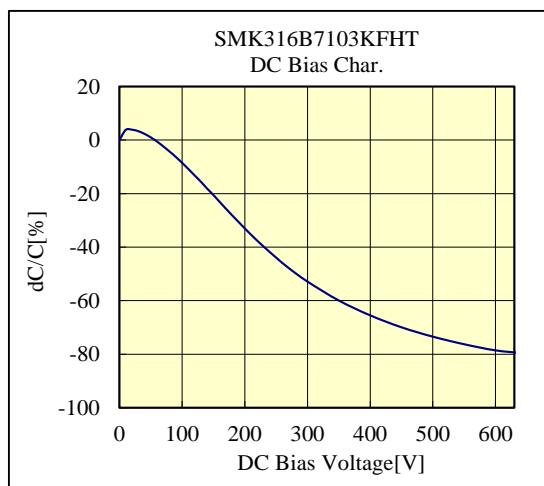
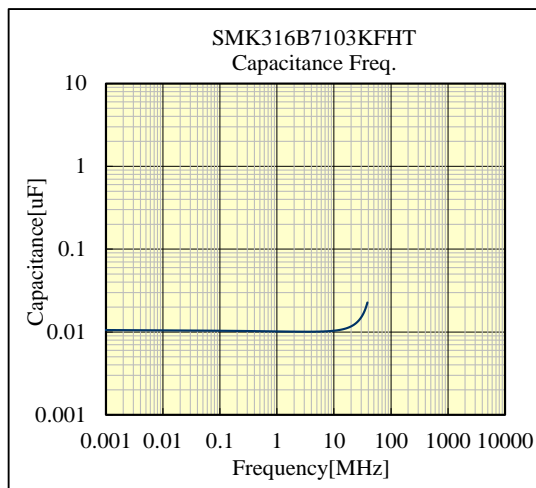
-Electrical Characteristics Data-

17QA07

RoHS compliance product

○SMK316B7103KFHT

630V 3216 X7R 0.01 μ F +/- 10% t=1.25mmMAX
630V 1206 X7R 0.01 μ F +/- 10% t=0.049inchMAX



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