

## Medium-High Voltage Multilayer Ceramic Capacitors

## SMK316B7103MF-T



## ■ Features

- Item Summary  
0.01 uF ± 20%, 630V,  
X7R, 1206/3216 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 3000pcs

## ■ Products characteristics table

Capacitance	0.01 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)	10 GΩ
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 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

2017.04.30

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
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 Before making final selection, please check product specification.

## Multi Layer Ceramic Capacitor

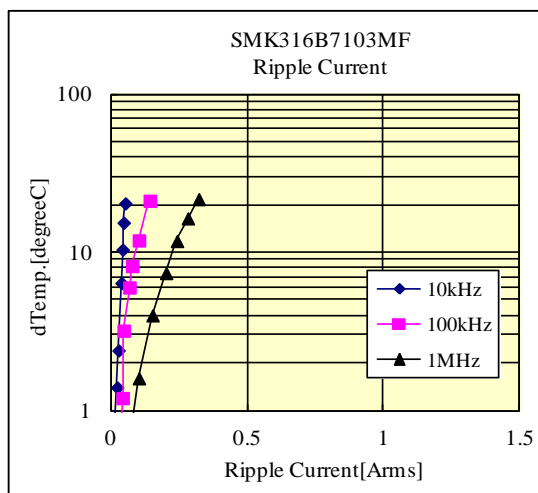
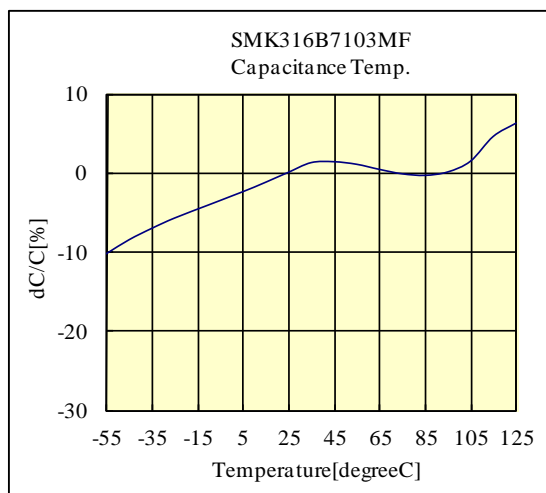
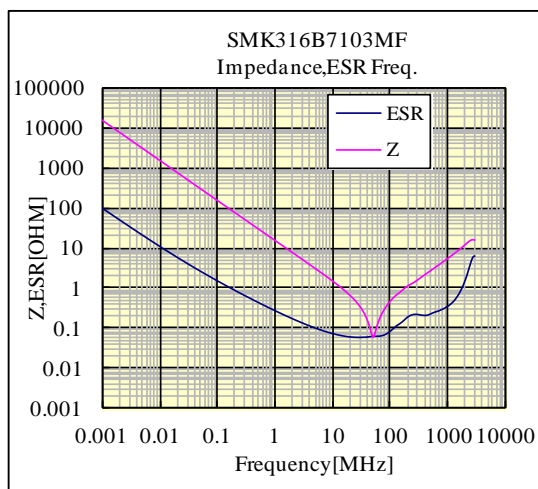
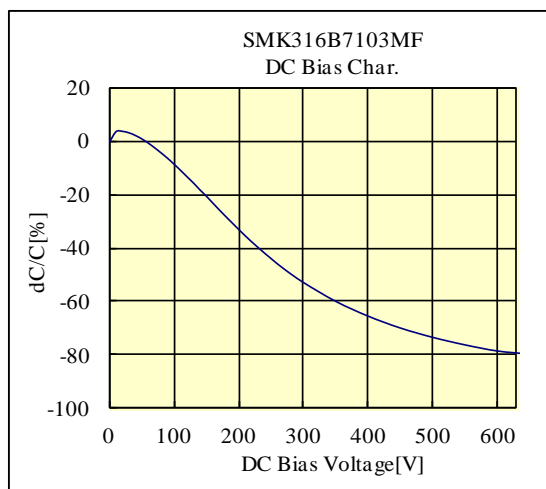
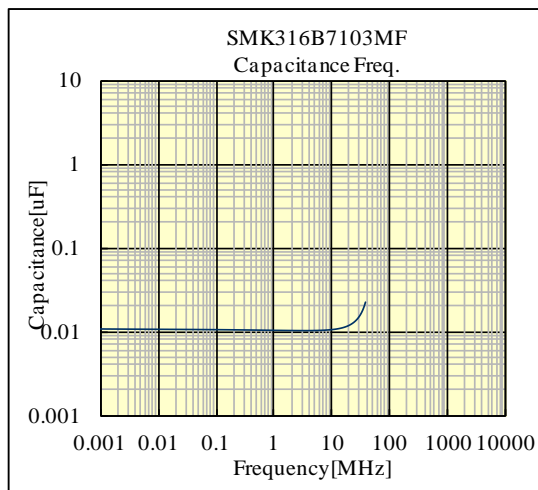
-Electrical Characteristics Data-

16QA11

RoHS compliance product

### ○SMK316B7103MF

**630V 3216 X7R 0.01 $\mu$ F +/- 20% t=1.25mmMAX**  
**630V 1206 X7R 0.01 $\mu$ F +/- 20% t=0.049inchMAX**



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