

# Spec Sheet

Medium-High Voltage Multilayer Ceramic Capacitors for Automotive (BODY & CHASSIS, INFOTAINMENT) / Industrial Applications

## HMK107B7103KAHT



### ■ Features

- Item Summary  
0.01 $\mu$ F $\pm$ 10%, 100V,  
X7R, 0603/1608 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping paper 4000pcs

### ■ Products characteristics table

Capacitance	0.01 $\mu$ F $\pm$ 10 %
Case Size (EIA/JIS)	0603/1608
Rated Voltage	100 V
$\tan \delta$ (max)	3.5 %
Temperature Characteristic (EIA)	X7R
Operating Temp. Range (EIA)	-55 to +125 °C
High Temperature Loading (% Rated Voltage)	200 %
Insulation Resistance (min)	10 G $\Omega$
RoHS Compliance (10 subst.)	Yes
REACH Compliance (191 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

### ■ External Dimensions

Dimension L	1.6 $\pm$ 0.10 mm
Dimension W	0.8 $\pm$ 0.10 mm
Dimension T	0.8 $\pm$ 0.10 mm
Dimension e	0.35 $\pm$ 0.25 mm

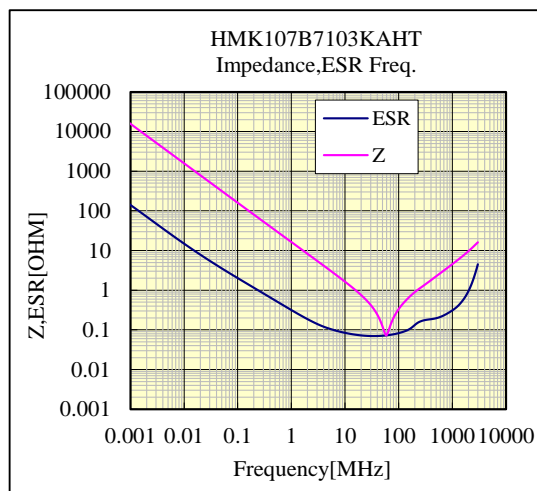
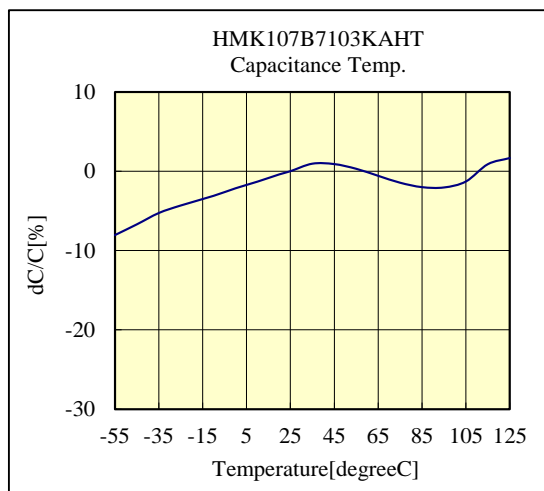
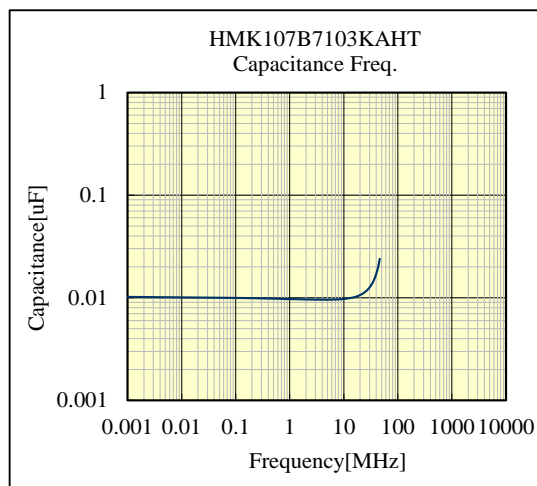
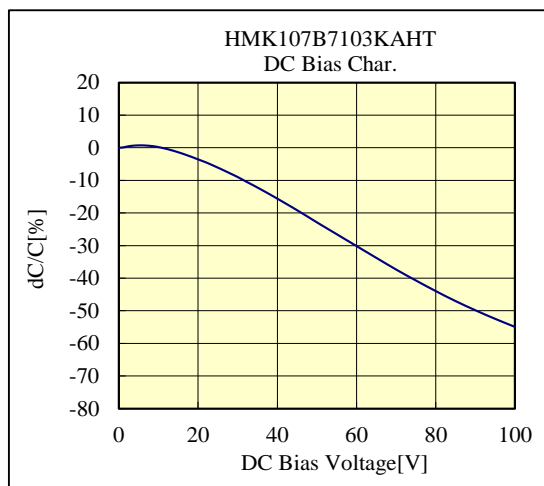
The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
TAIYO YUDEN reserves the right to make change to the data at any time without notice.  
Before making final selection, please check product specification.

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100V 1608 X7R 0.01uF +/- 10% t=0.9mmMAX

100V 0603 X7R 0.01uF +/- 10% t=0.035inchMAX



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