

# Spec Sheet

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

## HMK432B7105KMHT



### ■ Features

- Item Summary  
1 $\mu$ F $\pm$ 10%, 100V,  
X7R, 1812/4532 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 500pcs

### ■ Products characteristics table

Capacitance	1 $\mu$ F $\pm$ 10 %
Case Size (EIA/JIS)	1812/4532
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)	100 M $\Omega$ · $\mu$ F
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

### ■ External Dimensions

Dimension L	4.5 $\pm$ 0.40 mm
Dimension W	3.2 $\pm$ 0.30 mm
Dimension T	2.5 $\pm$ 0.20 mm
Dimension e	0.90 $\pm$ 0.60 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-

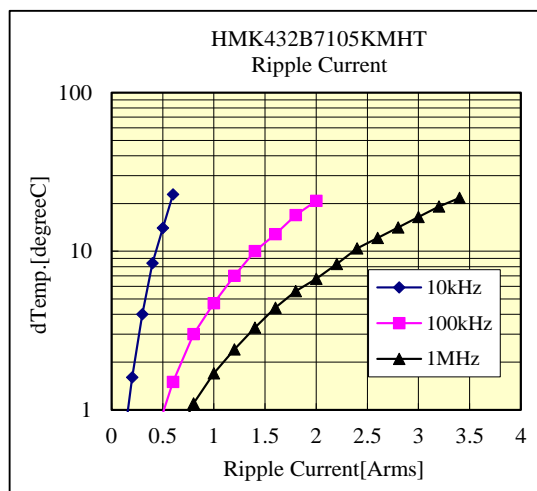
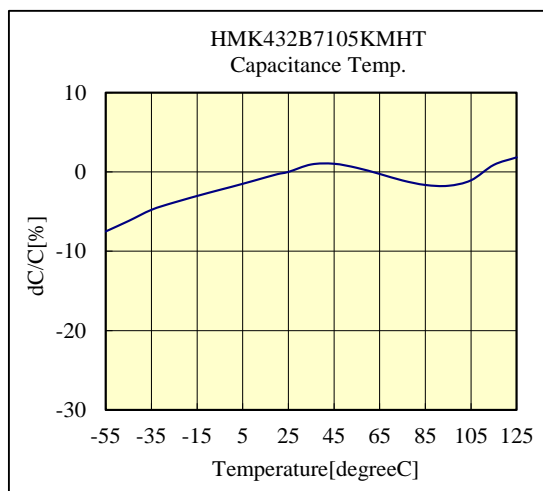
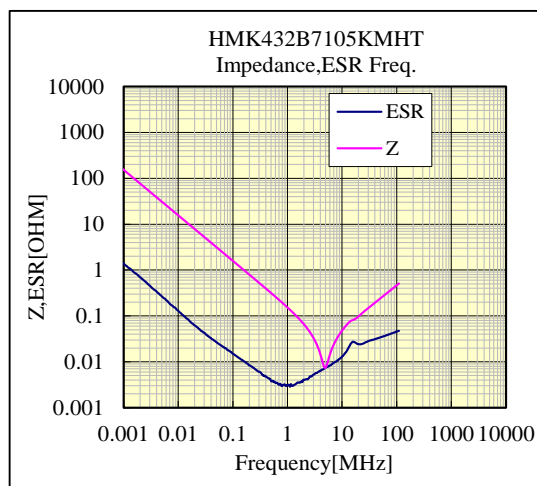
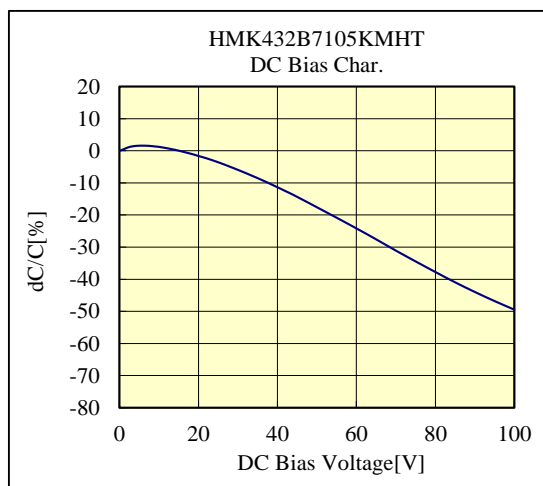
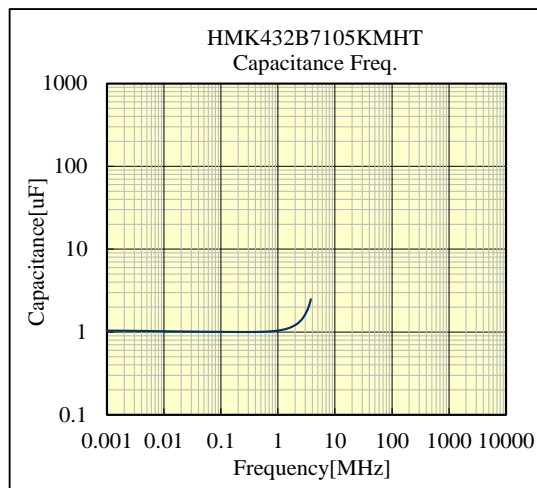
17QA07

RoHS compliance product

### ○HMK432B7105KMHT

100V 4532 X7R 1uF +/- 10% t=2.7mmMAX

100V 1812 X7R 1uF +/- 10% t=0.106inchMAX



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