

# Spec Sheet

MLCC (High dielectric type) for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

## UMK107B7683MAHT



### ■ Features

- Item Summary  
0.068 $\mu$ F $\pm$ 20%, 50V,  
X7R, 0603/1608 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Paper 4000pcs

### ■ Products characteristics table

Capacitance	0.068 $\mu$ F $\pm$ 20 %
Case Size (EIA/JIS)	0603/1608
Rated Voltage	50 V
$\tan \delta$ (max)	3.5 %
Temperature Characteristic (EIA)	X7R
Operating Temp. Range (EIA)	-55 to +125 °C
High Temperature Loading (% Rated Voltage)	150 %
Insulation Resistance (min)	500 M $\Omega$ · $\mu$ F
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 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.

2021.07.01

## Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

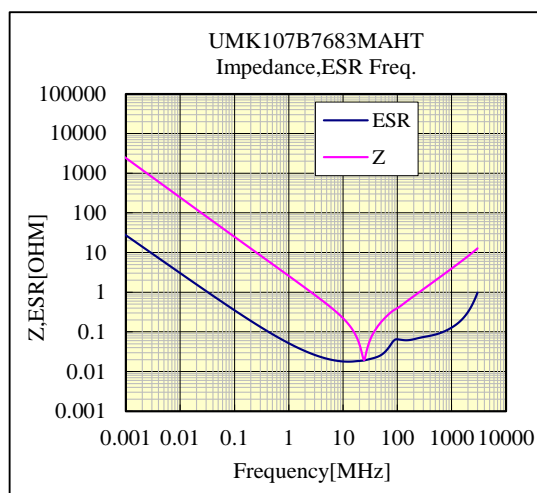
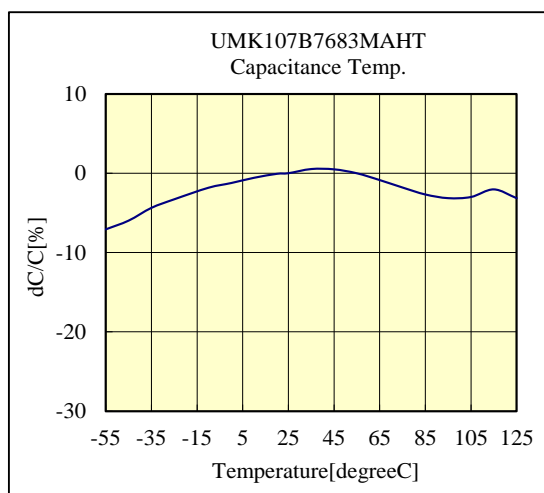
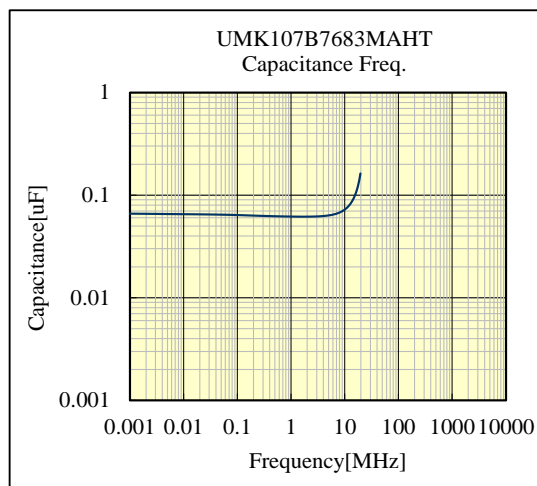
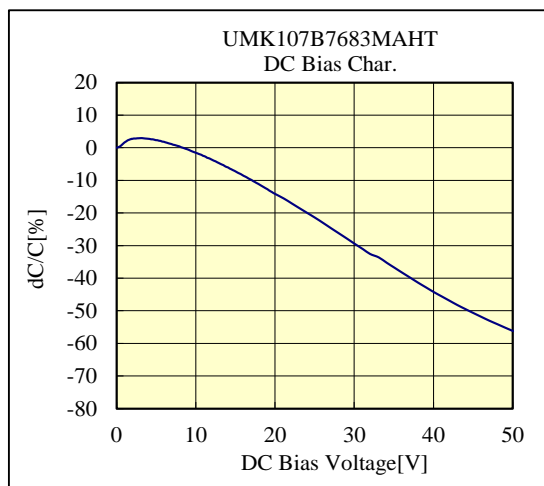
17QA08

RoHS compliance product

### ○UMK107B7683MAHT

50V 1608 X7R 0.068uF +/- 20% t=0.9mmMAX

50V 0603 X7R 0.068uF +/- 20% t=0.035inchMAX



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Before making final selection, please check product specification.

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