

# Spec Sheet

Medium-High Voltage MLCC for Automotive (POWERTRAIN, SAFETY) Applications(Cu external electrode products)

## HMR105B7682MV-F



### ■ Features

- Item Summary  
6800pF±20%, 100V,  
X7R, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Paper 10000pcs

### ■ Products characteristics table

Capacitance	6800 pF ± 20 %
Case Size (EIA/JIS)	0402/1005
Rated Voltage	100 V
tan δ (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 GΩ
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

### ■ External Dimensions

Dimension L	1.0 ±0.05 mm
Dimension W	0.5 ±0.05 mm
Dimension T	0.5 ±0.05 mm
Dimension e	0.25 ±0.10 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-

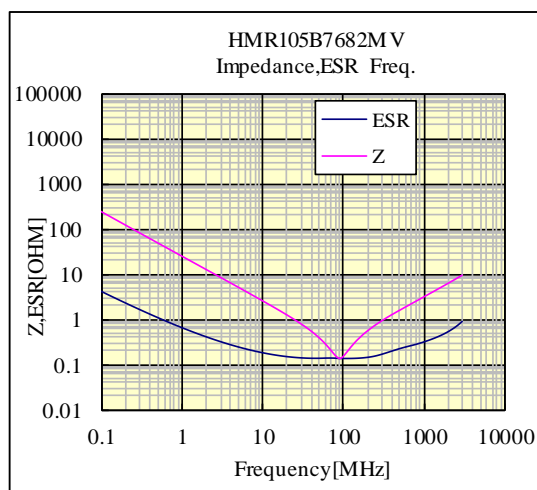
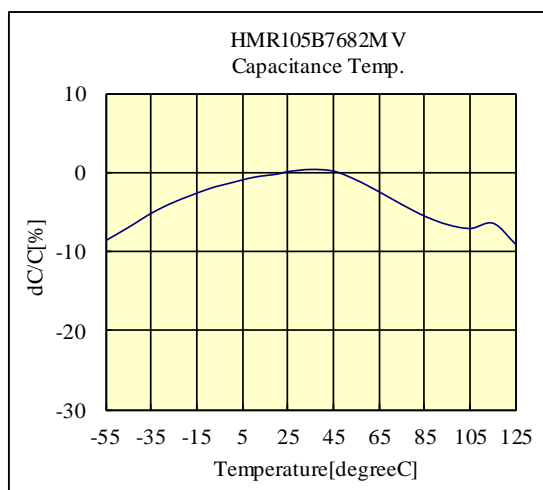
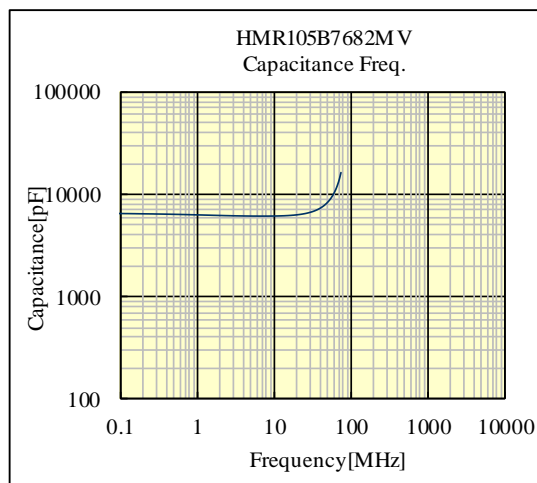
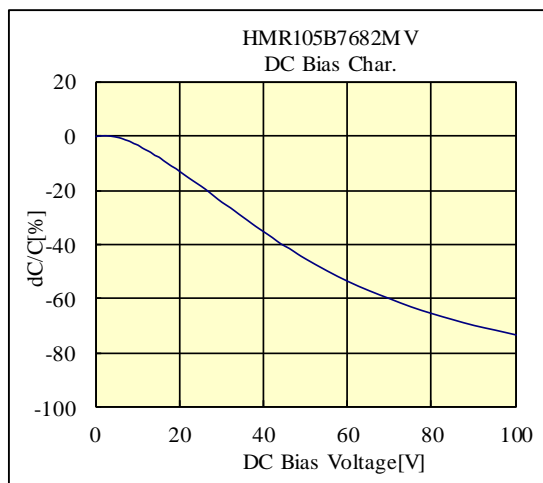
20U1A03

RoHS compliance product

### ○HMR105B7682MV

100V 1005 X7R 6800pF +/- 20% t=0.55mmMAX

100V 0402 X7R 6800pF +/- 20% t=0.022inchMAX



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