

Spec Sheet

Medium-High Voltage MLCC for Telecommunications Infrastructure and Industrial Equipment / Medical Devices

HMK105B7681MV8FE



■ Features

- Item Summary
680pF \pm 20%, 100V,
X7R, 0402/1005 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- Standard packaging quantity (minimum)
Taping Paper 10000pcs

■ Products characteristics table

Capacitance	680 pF \pm 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 G Ω
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	1.0 \pm 0.05 mm
Dimension W	0.5 \pm 0.05 mm
Dimension T	0.5 \pm 0.05 mm
Dimension e	0.25 \pm 0.10 mm

2021.07.01

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.

Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

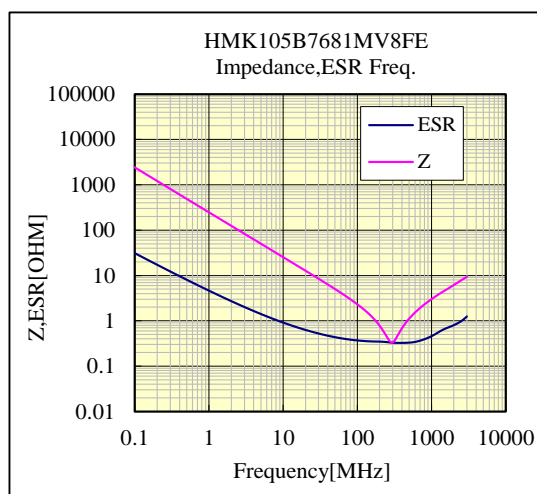
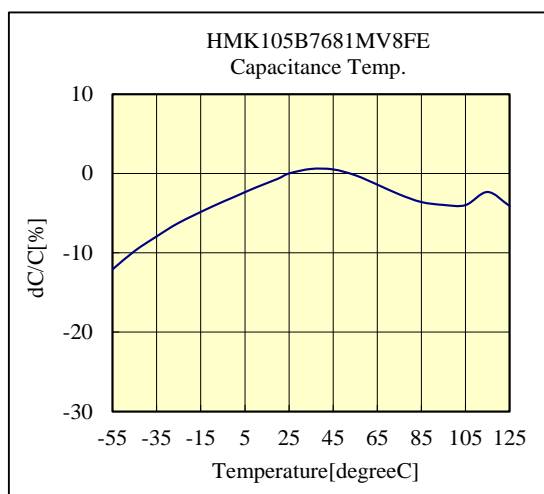
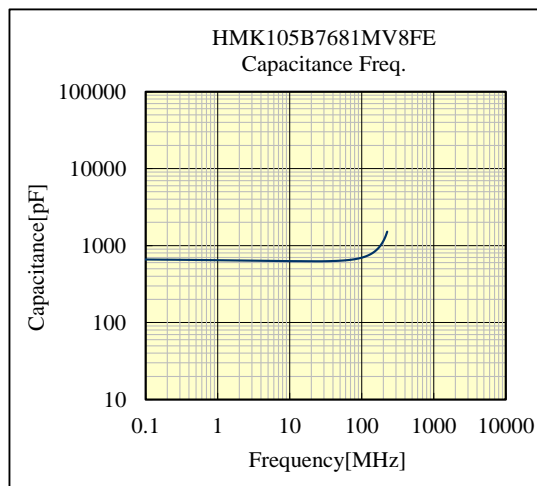
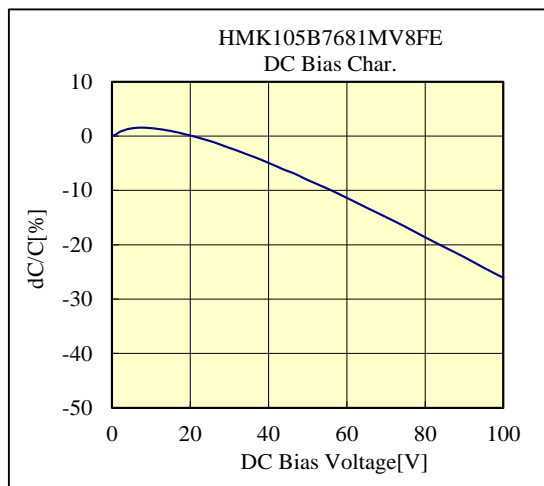
19U1A08

RoHS compliance product

○HMK105B7681MV8FE

100V 1005 X7R 680pF +/- 20% t=0.55mmMAX

100V 0402 X7R 680pF +/- 20% t=0.022inchMAX



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Please read this notice before using the TAIYO YUDEN products.



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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment*, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

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[>>Taiyo Yuden\(太阳诱电\)](#)