

Spec Sheet

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

HMR105B7102KV-F



■ Features

- Item Summary
1000pF±10%, 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 | 1000 pF ± 10 % |
| 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-

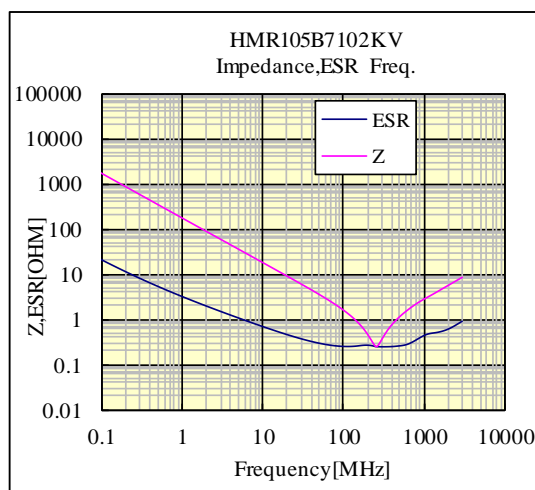
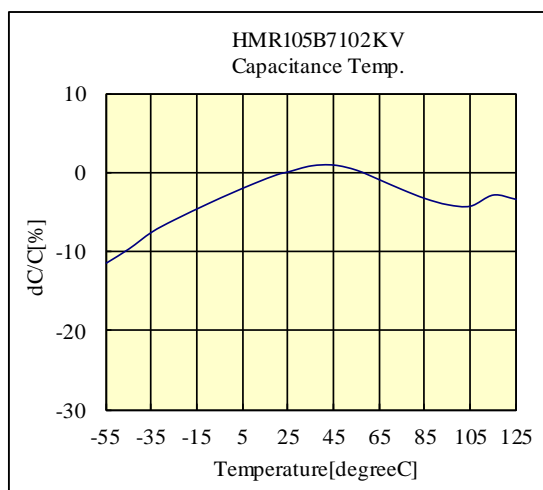
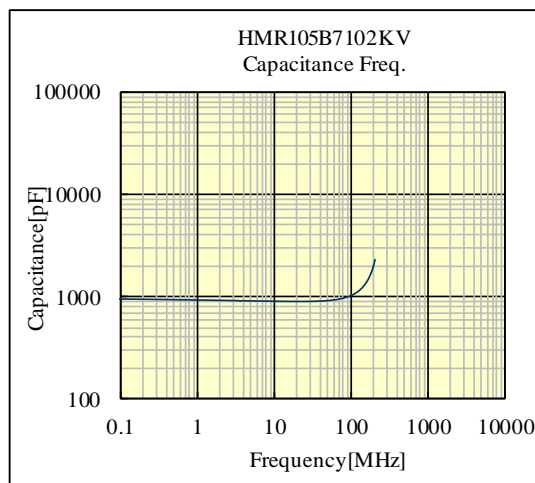
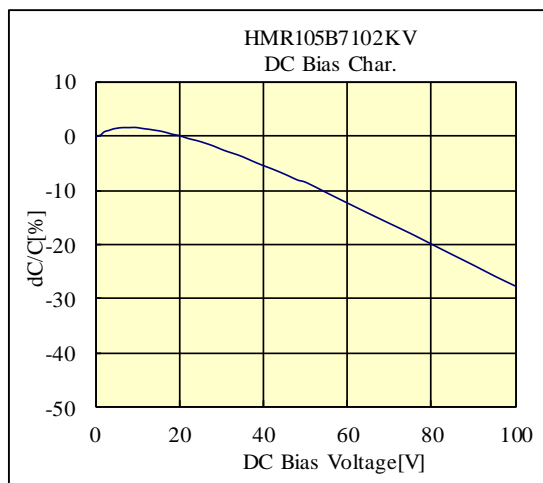
20U1A03

RoHS compliance product

○HMR105B7102KV

100V 1005 X7R 1000pF +/- 10% t=0.55mmMAX

100V 0402 X7R 1000pF +/- 10% t=0.022inchMAX



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Before making final selection, please check product specification.

Please read this notice before using the TAIYO YUDEN products.



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[>>Taiyo Yuden\(太阳诱电\)](#)