

Multilayer Ceramic Capacitors

UMF212B7105MGHT



■ Features

- Item Summary
1 μ F \pm 20%, 50V,
X7R, 0805/2012 (EIA/JIS)
- Lifecycle Stage
New PN available
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Embossed 3000pcs

■ Products characteristics table

| | |
|---|--------------------------|
| Capacitance | 1 μ F \pm 20 % |
| Case Size (EIA/JIS) | 0805/2012 |
| Rated Voltage | 50 V |
| $\tan \delta$ (max) | 10 % |
| Temperature Characteristic (EIA) | X7R |
| Operating Temp. Range (EIA) | -55 to +125 °C |
| High Temperature Loading (% Rated Voltage) | 150 % |
| Insulation Resistance (min) | 100 M Ω · μ F |
| RoHS Compliance (10 subst.) | Yes |
| REACH Compliance (223 subst.) | Yes |
| Halogen Free | Yes |
| Soldering | Reflow |

■ External Dimensions

| | |
|-------------|--------------------|
| Dimension L | 2.0 \pm 0.10 mm |
| Dimension W | 1.25 \pm 0.10 mm |
| Dimension T | 1.25 \pm 0.10 mm |
| Dimension e | 0.50 \pm 0.25 mm |

2022.05.31

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

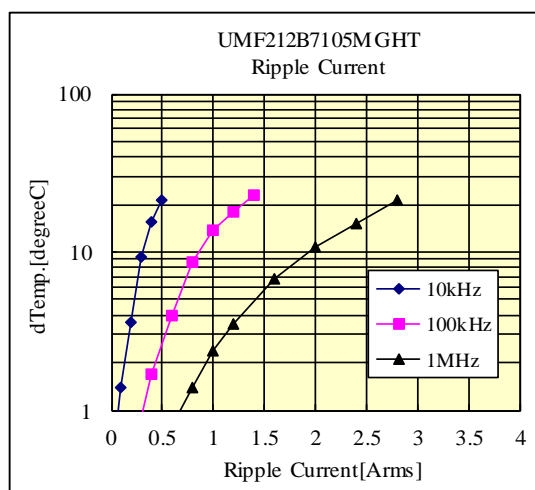
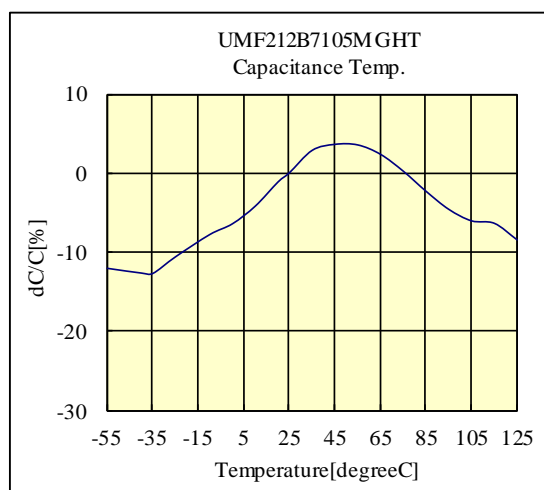
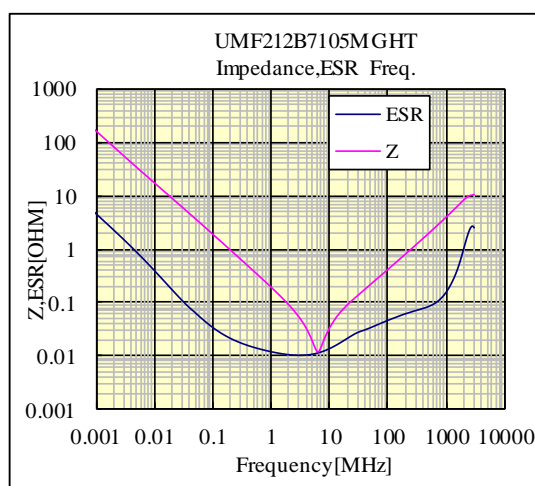
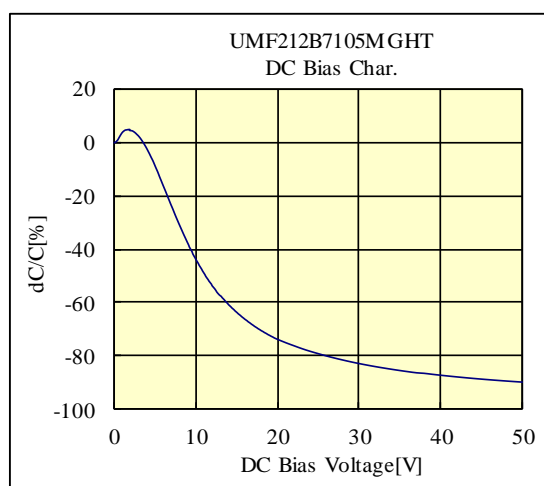
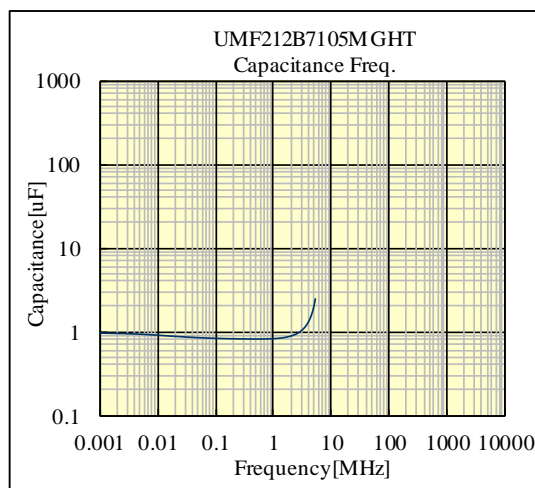
-Electrical Characteristics Data-

20R2A03

RoHS compliance product

○UMF212B7105MGHT

50V 2012 X7R 1uF +/- 20% t=1.35mmMAX
50V 0805 X7R 1uF +/- 20% t=0.053inchMAX



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