

## Multilayer Ceramic Capacitors

## UMK105B7103MV-F



## ■ Features

- Item Summary  
0.01  $\mu\text{F} \pm 20\%$ , 50V,  
X7R, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
New PN available
- Standard packaging quantity (minimum)  
Taping Paper 10000pcs

## ■ Products characteristics table

|   |                             |
|---|-----------------------------|
| Capacitance                                   | 0.01 $\mu\text{F} \pm 20\%$ |
| Case Size (EIA/JIS)                           | 0402/1005                   |
| Rated Voltage                                 | 50 V                        |
| $\tan \delta$ (max)                           | 3.5 %                       |
| Temperature Characteristic (EIA)              | X7R                         |
| Operating Temp. Range (EIA)                   | -55 to +125 °C              |
| High Temperature Loading<br>(% Rated Voltage) | 150 %                       |
| Insulation Resistance (min)                   | 10 G $\Omega$               |
| RoHS Compliance (10 subst.)                   | Yes                         |
| REACH Compliance (223 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 |

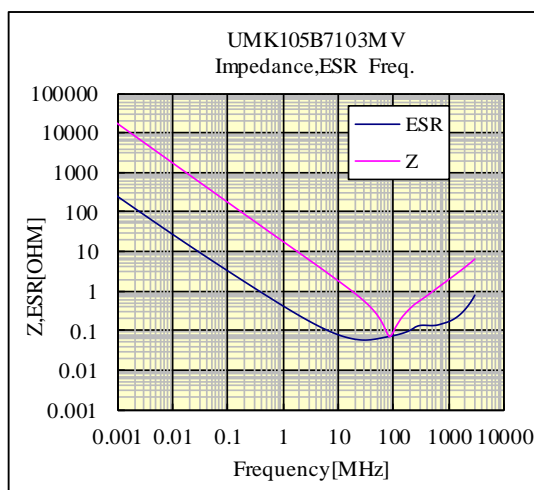
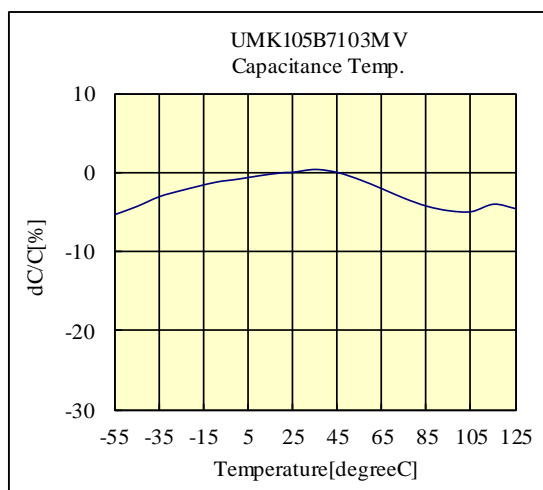
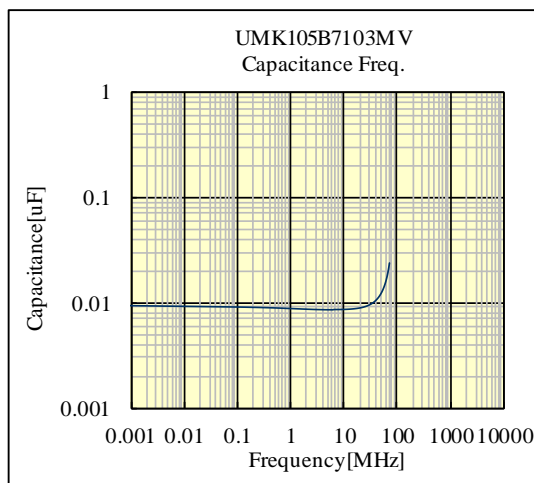
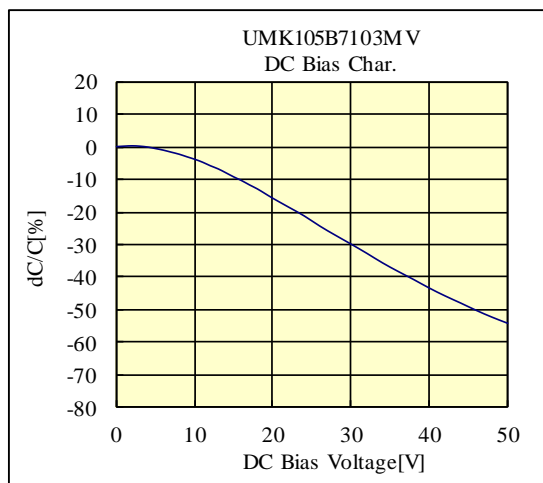
2022.06.01

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.

### ○UMK105B7103MV

50V 1005 X7R 0.01 $\mu$ F +/- 20% t=0.55mmMAX

50V 0402 X7R 0.01 $\mu$ F +/- 20% t=0.022inchMAX



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