

Multilayer Ceramic Capacitors (High dielectric type) for Automotive / Industrial Applications

## UMK105B7103MVHF



## ■ Features

- Item Summary  
0.01 $\mu$ F $\pm$ 20%, 50V,  
X7R, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping paper 10000pcs

## ■ Products characteristics table

Capacitance	0.01 $\mu$ 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 (% Rated Voltage)	150 %
Insulation Resistance (min)	10 G $\Omega$
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (181 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

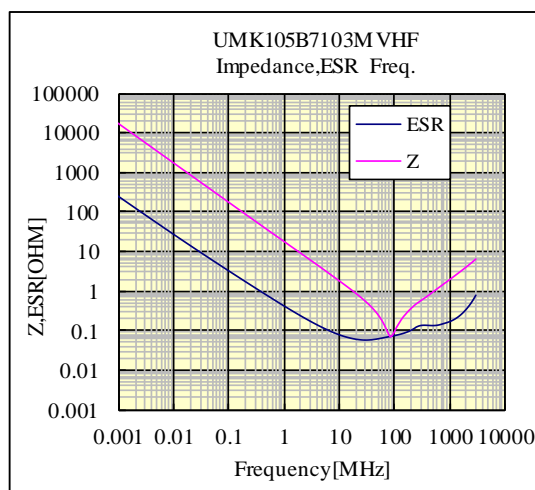
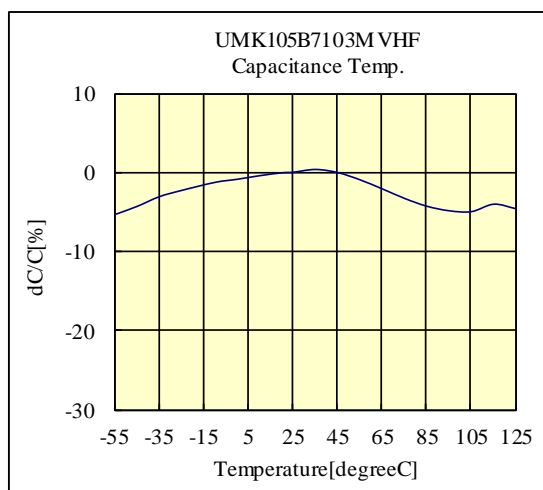
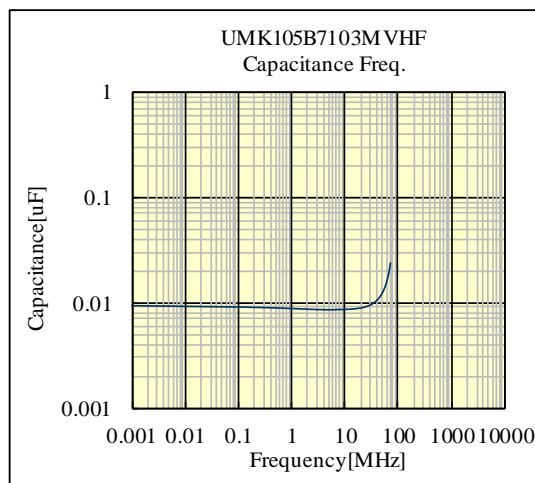
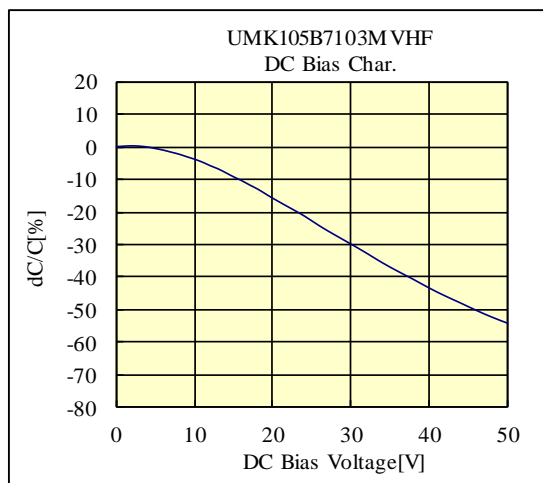
2018.08.22

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.

### ○UMK105B7103MVHF

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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Please read this notice before using the TAIYO YUDEN products.



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