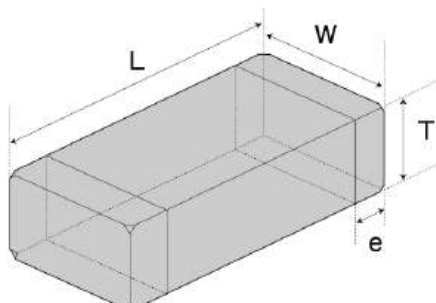


Multilayer Ceramic Capacitors

UMK105B7103KVHF



■ Features

- Item Summary
0.01 $\mu\text{F} \pm 10\%$, 50V,
X7R, 0402/1005 (EIA/JIS)
- Lifecycle Stage
New PN available
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Paper 10000pcs

■ Products characteristics table

Capacitance	0.01 $\mu\text{F} \pm 10\%$
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 Ω
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 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

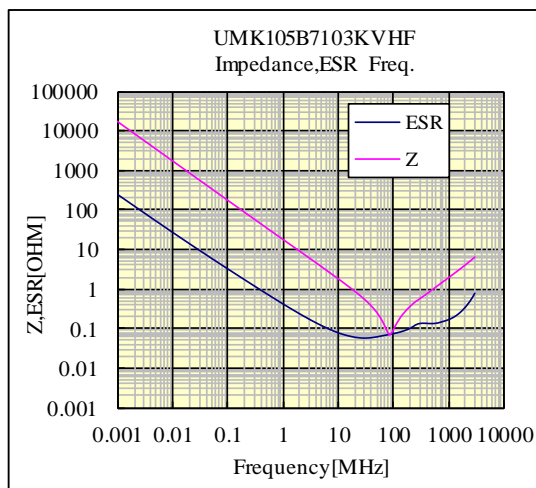
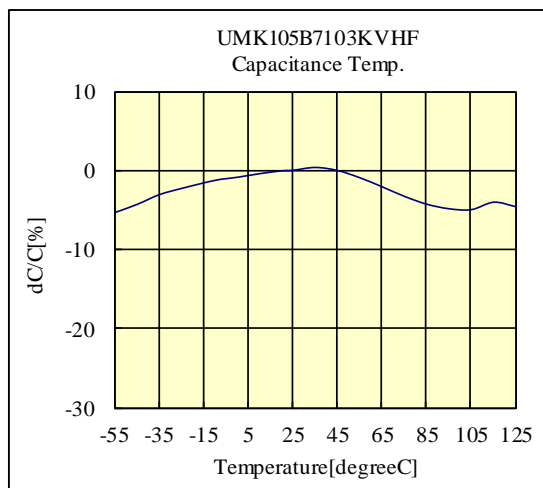
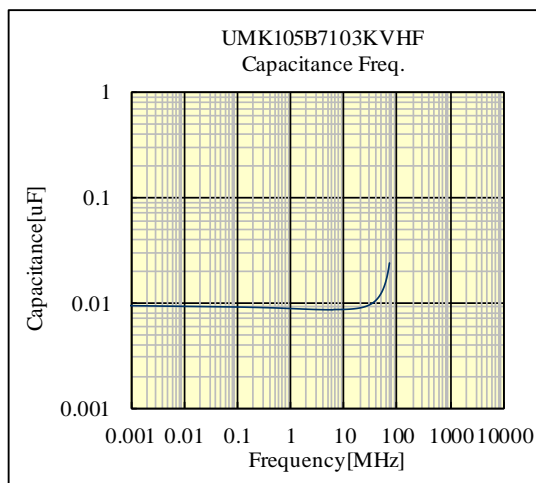
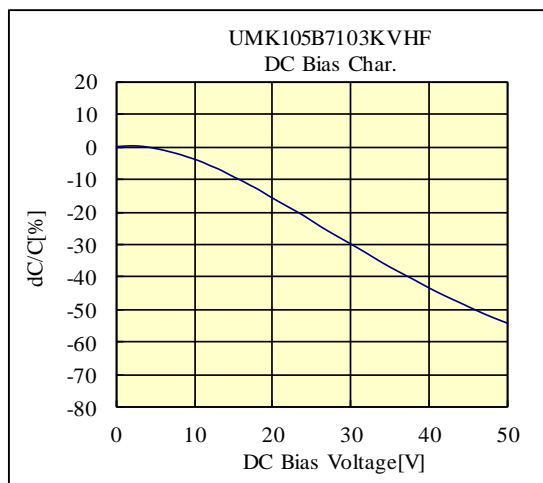
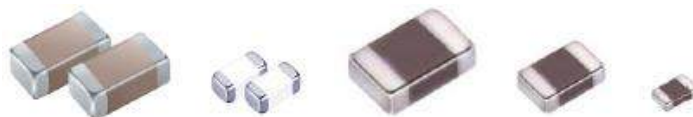
2022.06.01

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.

○UMK105B7103KVHF

50V 1005 X7R 0.01 μ F +/- 10% t=0.55mmMAX

50V 0402 X7R 0.01 μ F +/- 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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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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