

Spec Sheet

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

UMK107B7103MAHT



■ Features

- Item Summary
50V, X7R, 0.01 μ F, \pm 20%, 0603
- Lifecycle Stage
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping paper 4000pcs

■ Products characteristics table

CaseSize (EIA/JIS)	0603/1608
Rated Voltage (max)	50V
Capacitance	0.01 μ F
Capacitance Tolerance	\pm 20%
Resistance	10,000 M Ω min.
Dielectric Loss Tangent	3.5%MAX
Temperature Characteristics (EIA/JIS)	X7R/-
Temperature Range (EIA/JIS)	-55 to +125 $^{\circ}$ C/-
Capacitance Change (EIA/JIS)	\pm 15/-%
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	1.6mm \pm 0.10
W	0.8mm \pm 0.10
T	0.8mm \pm 0.10
e	0.35mm \pm 0.25

2015.01.19

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
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Before making final selection, please check product specification.

Multi Layer Ceramic Capacitor

TAIYO YUDEN

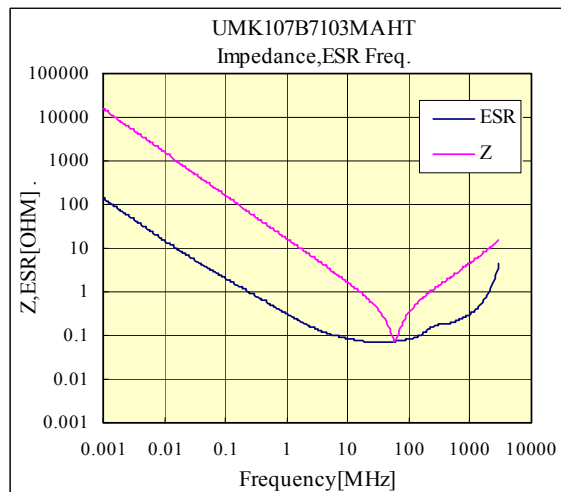
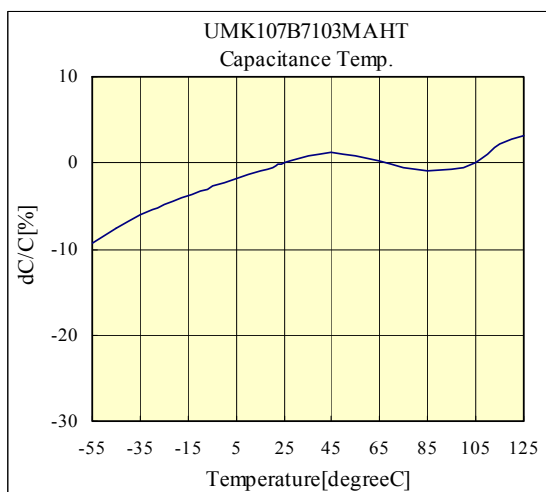
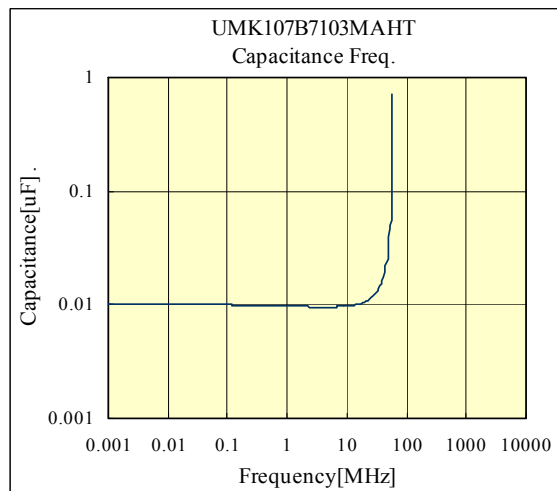
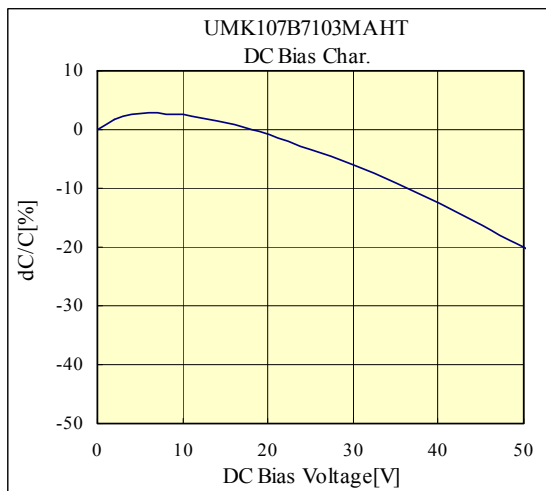
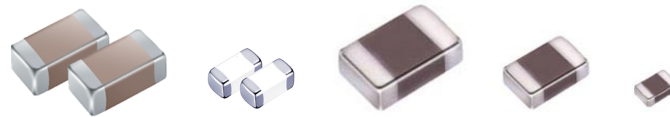
-Electrical Characteristics Data- 12QA10

RoHS compliance product

○UMK107B7103MAHT

50V 1608 X7R 0.01 μ F +/-20% t=0.9mmMAX

50V 0603 X7R 0.01 μ F +/-20% t=0.035inchMAX



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