

Spec Sheet

MLCC (High dielectric type) for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

JMK107BJ105MAHT



■ Features

- Item Summary
1 μ F \pm 20%, 6.3V,
X5R, 0603/1608 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Paper 4000pcs

■ Products characteristics table

Capacitance	1 μ F \pm 20 %
Case Size (EIA/JIS)	0603/1608
Rated Voltage	6.3 V
$\tan \delta$ (max)	5 %
Temperature Characteristic (EIA)	X5R
Operating Temp. Range (EIA)	-55 to +85 °C
High Temperature Loading (% Rated Voltage)	150 %
Insulation Resistance (min)	100 M Ω · μ F
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

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

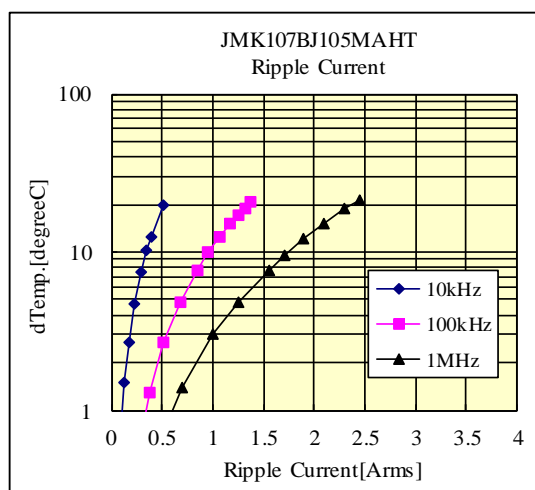
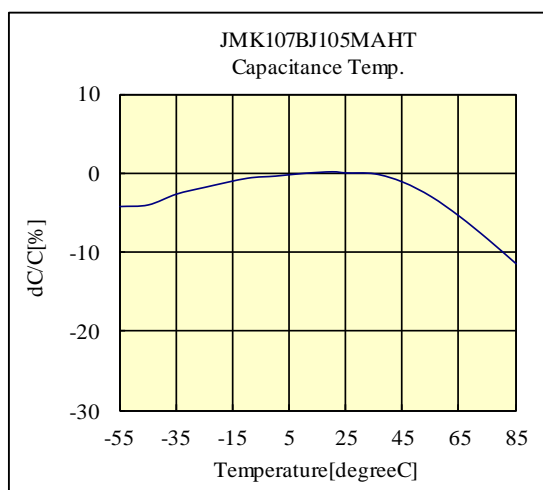
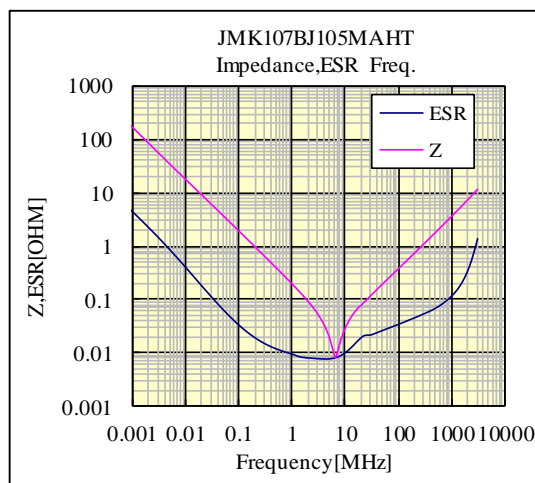
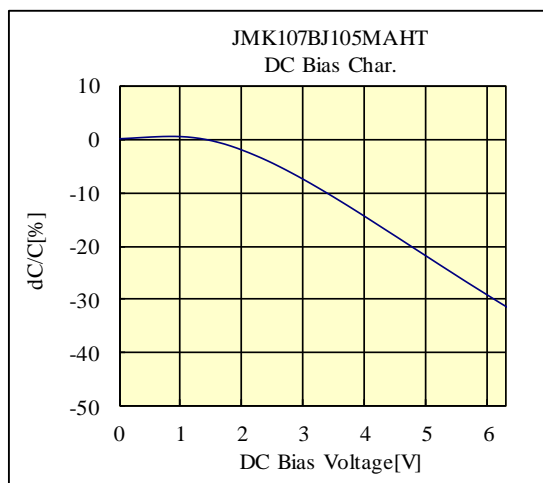
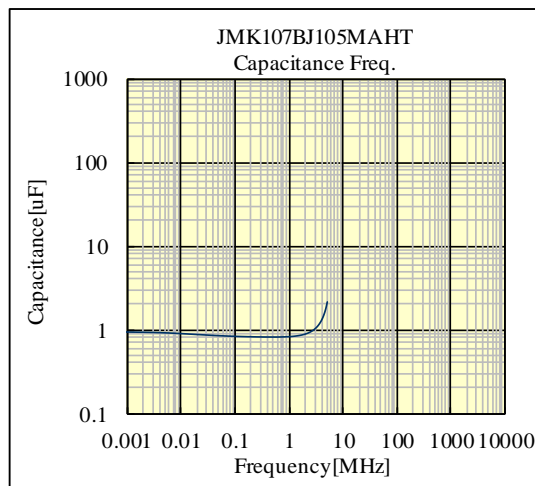
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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the data at any time without notice.
Before making final selection, please check product specification.

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6.3V 1608 X5R 1 μ F +/- 20% t=0.9mmMAX

6.3V 0603 X5R 1 μ F +/- 20% t=0.035inchMAX



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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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[>>Taiyo Yuden\(太阳诱电\)](#)