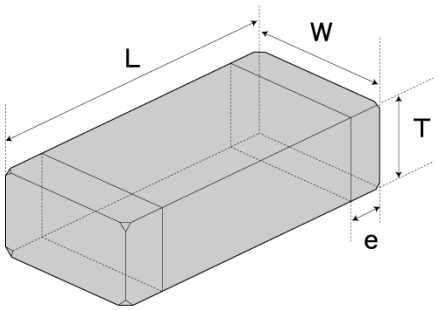
Spec Sheet

Medium-High Voltage MLCC for Automotive (BODY & CHASSIS, INFOTAINMENT) Applications

HMK107AC7154KAHTE



Features

- Item Summary

  0.15uF±10%, 100V,

  X7S, 0603/1608 (EIA/JIS)
- Lifecycle Stage

  Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)

  Taping paper 4000pcs

Products characteristics table

Capacitance	0.15 uF ± 10 %
Case Size (EIA/JIS)	0603/1608
Rated Voltage	100 V
tan δ (max)	3.5 %
Temperature Characteristic (EIA)	X7S
Operating Temp. Range (EIA)	-55 to +125 ℃
High Temperature Loading (% Rated Voltage)	150 %
Insulation Resistance (min)	100 MΩ·μF
RoHS Compliance (10 subst.)	Yes
REACH Compliance (201 subst.)	Yes
Soldering	Reflow

External Dimensions

Dimension L	1.6 +0.15/-0.05 mm
Dimension W	0.8 +0.15/-0.05 mm
Dimension T	0.8 +0.15/-0.05 mm
Dimension e	0.35 ±0.25 mm

2019.12.18

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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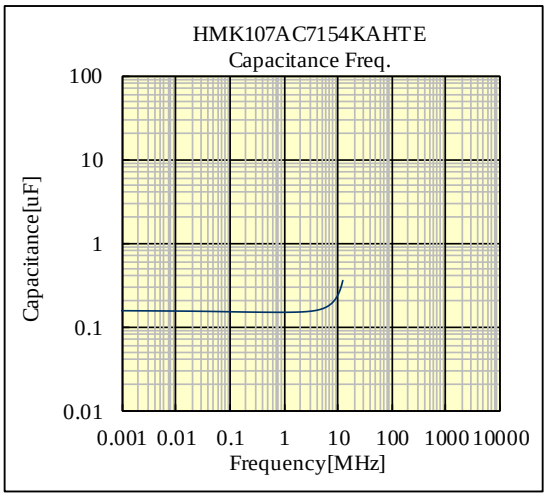
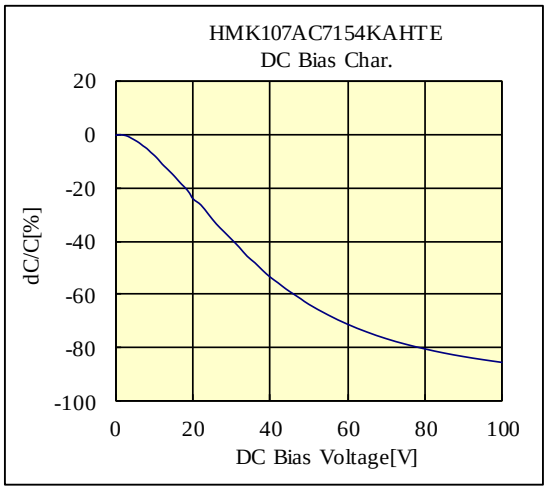
Multi Layer Ceramic Capacitor -Electrical Characteristics Data- 19U2A11

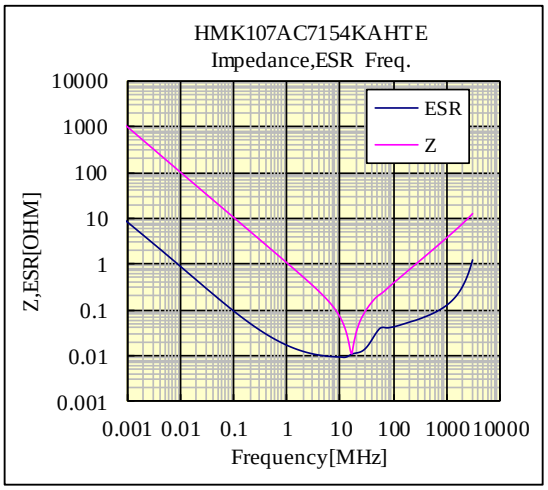
RoHS compliance product

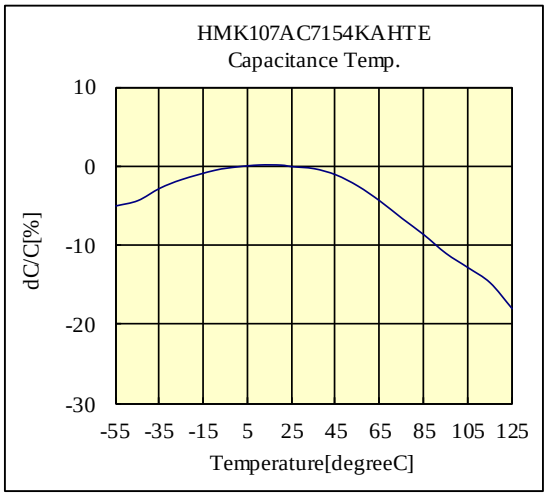
○*HMK107AC7154KAHTE*

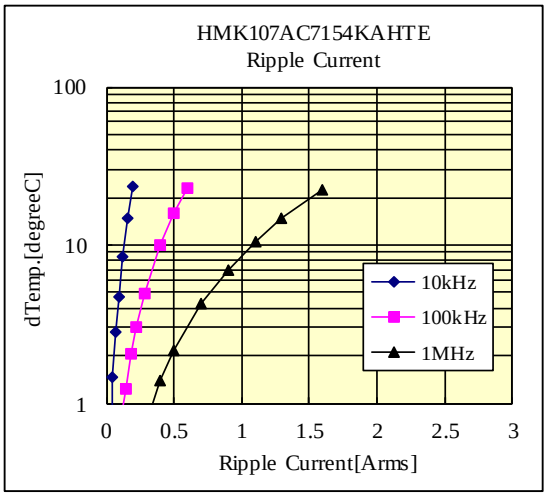
100V 1608 X7S 0.15uF +/- 10% t=0.95mmMAX
100V 0603 X7S 0.15uF +/- 10% t=0.037inchMAX











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- The product listed in this spec sheet is intended for use in general electronic equipment (e.g., AV equipment, OA equipment, home electric appliances, office equipment, information and communication equipment), medical equipment classified as Class I or II by IMDRF, industrial equipment, and automotive interior applications, etc. Please be sure to contact TAIYO YUDEN for further information before using the product for any equipment which may directly cause loss of human life or bodily injury (e.g., transportation equipment including, without limitation, automotive powertrain control system, train control system, and ship control system, traffic signal equipment, medical equipment classified as Class III by IMDRF).

  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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