

Spec Sheet

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

EMK316B7225KLHT



■ Features

- Item Summary
2.2uF±10%, 16V,
X7R, 1206/3216 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs

■ Products characteristics table

Capacitance	2.2 uF ± 10 %
Case Size (EIA/JIS)	1206/3216
Rated Voltage	16 V
tan δ (max)	3.5 %
Temperature Characteristic (EIA)	X7R
Operating Temp. Range (EIA)	-55 to +125 °C
High Temperature Loading (% Rated Voltage)	200 %
Insulation Resistance (min)	500 MΩ · μF
RoHS Compliance (10 subst.)	Yes
REACH Compliance (205 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	3.2 ±0.15 mm
Dimension W	1.6 ±0.15 mm
Dimension T	1.6 ±0.20 mm
Dimension e	0.50 +0.35/-0.25 mm

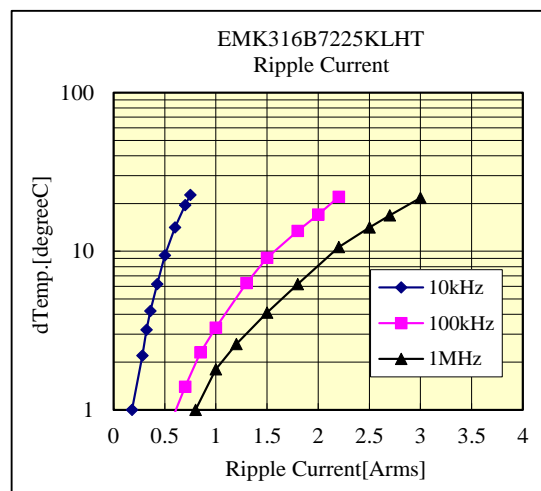
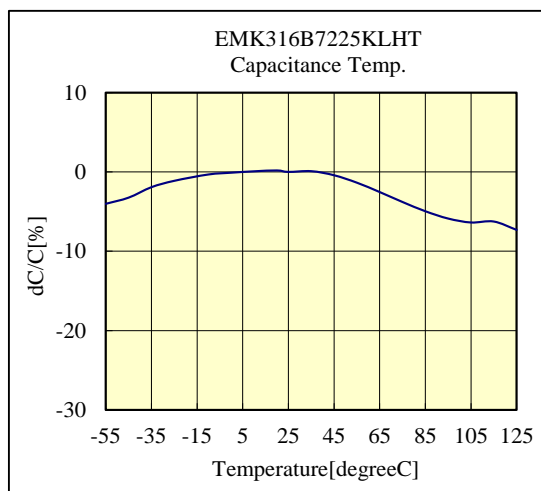
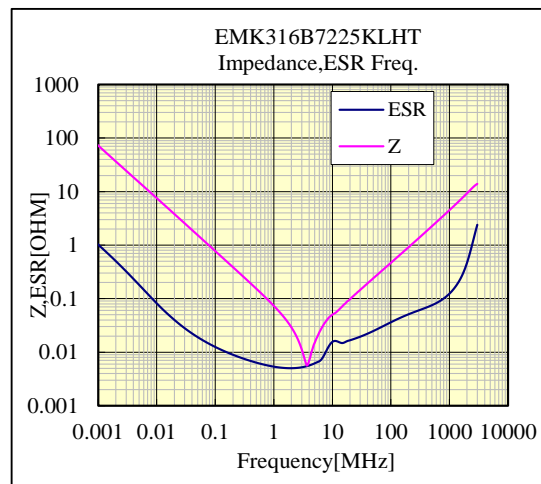
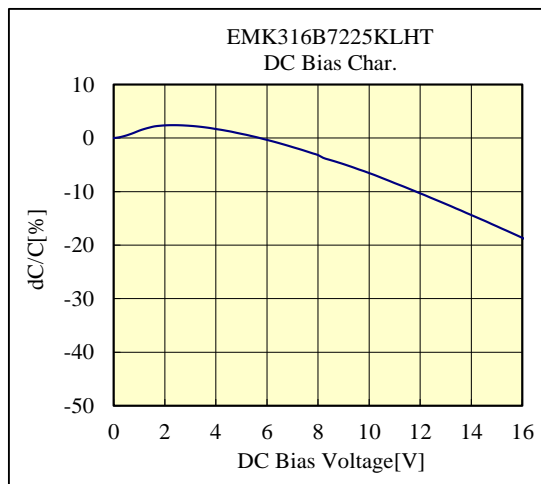
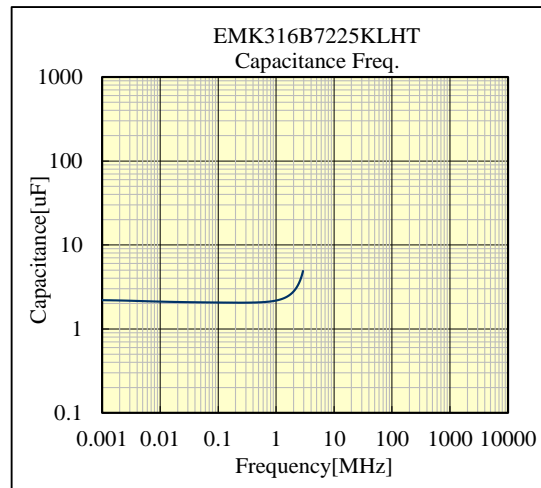
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TAIYO YUDEN reserves the right to make change to the data at any time without notice.
Before making final selection, please check product specification.

2020.04.14

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16V 3216 X7R 2.2 μ F +/- 10% t=1.8mmMAX

16V 1206 X7R 2.2 μ F +/- 10% t=0.071inchMAX



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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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When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.

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