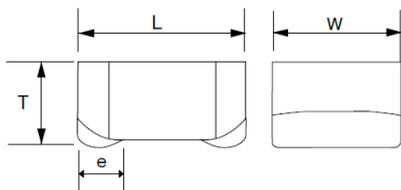


Spec Sheet

Wire-wound Ferrite Power Inductors LCQPB series for Automotive Body & Chassis and Infotainment

LCQPB321919T100K



■ Features

- Item Summary
10uH±10%, 0.7A, 1207/3219 (EIA/JIS)
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs

■ Products characteristics table

Inductance	10 uH ± 10 %
Case Size (EIA/JIS)	1207/3219
Rated Current (max)	0.7 A
Saturation Current (max)	0.7 A (ΔL=30%)
Saturation Current (typ)	0.78 A (ΔL=30%)
Temperature Rise Current (max)	0.775 A (ΔT=40°C)
Temperature Rise Current (typ)	0.87 A (ΔT=40°C)
DC Resistance (max)	0.38 Ω
DC Resistance (typ)	0.32 Ω
Self Resonant Frequency (min)	22 MHz
Operating Temp. Range	-40 to +125 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 20 %
Measuring Frequency	2.52 MHz
RoHS Compliance (10 subst.)	Yes
REACH Compliance (251 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

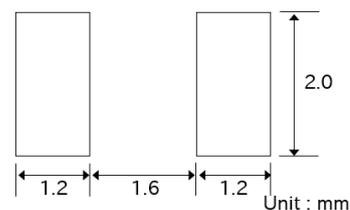
■ External Dimensions

Dimension L	3.2 ±0.2 mm
Dimension W	1.9 ±0.2 mm
Dimension T	1.95 ±0.2 mm
Dimension e	0.85 ±0.25 mm

■ Recommended Land Patterns

【推奨ランドパターン】
実装上の注意
-実装状態を確認の上ご使用くださいようお願いいたします。
-本製品のはんだ付けはリフローはんだ工法に限ります。

【Recommended Land Patterns】
Surface Mounting
-Mounting and soldering conditions should be checked beforehand.
-Applicable soldering process to this products is reflow soldering only.



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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.