

SMD Power Inductors for Automotive / Industrial Applications (NS series)

NS10145T470MNV



■ Features

- Item Summary
47uH±20%, 1.5A, 10.1x10.1x4.5mm
- Lifecycle Stage
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs(500pcs*4reel)

■ Products characteristics table

Inductance	47 uH ± 20 %
Case Size (mm)	10.1x10.1
Rated Current (max)	1.5 A
Saturation Current (max)	2 A
Temperature Rise Current (max)	1.5 A
DC Resistance (max)	0.156 Ω
DC Resistance (typ)	0.13 Ω
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	9.2 MHz
Operating Temp. Range	-40 to +125 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 15 %
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	10.1 ±0.3 mm
Dimension W	10.1 ±0.3 mm
Dimension H	4.5 ±0.35 mm
Dimension a	2.8 ±0.1 mm
Dimension b	2.0 ±0.15 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ます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 these products is reflow soldering only.

