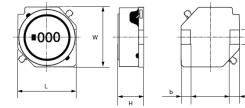
Spec Sheet

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

NS10145T1R0NNV



Features

- Item Summary
 1.0uH±30%, 8.9A, 10.1x10.1x4.5mm
- Lifecycle Stage
 Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
 Taping Embossed 2000pcs(500pcs*4reel)

■ Products characteristics table

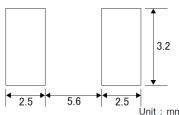
Inductance	1.0 uH ± 30 %
Case Size (mm)	10.1x10.1
Rated Current (max)	8.9 A
Saturation Current (max)	12.54 A
Temperature Rise Current (max)	8.9 A
DC Resistance (max)	5.9 mΩ
DC Resistance (typ)	4.9 mΩ
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	116 MHz
Operating Temp. Range	-40 to +125 ℃ (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





2017.05.03