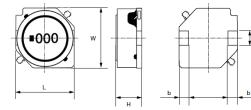
Spec Sheet

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

NS10145T151MNV



Features

- Item Summary 150uH±20%, 0.86A, 10.1x10.1x4.5mm
- Lifecycle Stage
 Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)

Taping Embossed 2000pcs(500pcs*4reel)

■ Products characteristics table

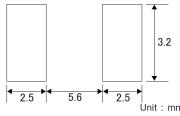
| Inductance | 150 uH ± 20 % |
|--|--|
| Case Size (mm) | 10.1x10.1 |
| Rated Current (max) | 0.86 A |
| Saturation Current (max) | 1.11 A |
| Temperature Rise Current (max) | 0.86 A |
| DC Resistance (max) | 0.42 Ω |
| DC Resistance (typ) | 0.35 Ω |
| LQ Measuring Frequency | 100 kHz |
| Self Resonant Frequency (min) | 4.7 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