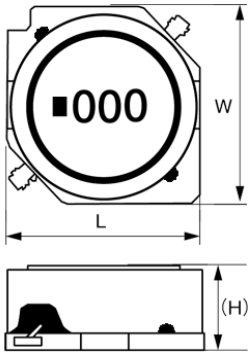
Spec Sheet

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

NS10145T3R3NNV



Features

- Item Summary

  3.3μH(±30%), 7.33A, 6.1A
- Lifecycle Stage

  Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)

  Taping 2000pcs(500pcs*4reel)

Products characteristics table

CaseSize (EIA/JIS)	-/101101
Inductance	3.3μH(±30%)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	7.33A
Rated Current -Temperature Rise Current	6.1A
DC Resistance (max)	0.012Ω
Avg. of DC.Resistance	0.01Ω
Self-resonant Frequency (min)	36.1MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

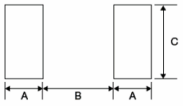
External Dimensions

L	10.1mm ±0.3
W	10.1mm ±0.3
H	4.5mm ±0.35

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.



SMD Power Inductors (NS series)

Type	A	B	C
NS 10145	2.5	5.6	3.2
NS 10155	2.5	5.6	3.2
NS 10165	2.5	5.6	3.2
NS 12555	2.5	8.6	3.2
NS 12565	2.5	8.6	3.2
NS 12575	2.5	8.6	3.2

unit:mm

2015.03.09

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
Before making final selection, please check product specification.