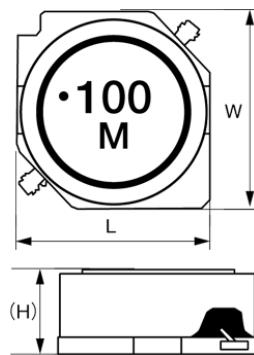


SMD Power Inductors (NS series)

NS10165T150MNA



■ Features

- Item Summary
15 μ H($\pm 20\%$), 4.5A, 3.84A
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 2000pcs(500pcs*4reel)

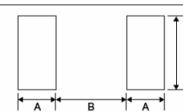
■ External Dimensions

L	10.1mm ± 0.3
W	10.1mm ± 0.3
H	6.5mm ± 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。よろしくお願いいたします。
・本製品ではんだ付けはリコールはんだ工法に限りません。

【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
NS10145	2.5	5.6
NS10155	2.5	5.6
NS10165	2.5	5.6
NS12555	2.5	8.6
NS12565	2.5	8.6
NS12575	2.5	8.6

unit:mm

■ Products characteristics table

CaseSize (EIA/JIS)	-/10165
Inductance	15 μ H($\pm 20\%$)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	4.5A
Rated Current -Temperature Rise Current	3.84A
DC Resistance (max)	0.03 Ω
Avg. of DC.Resistance	0.025 Ω
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	13.2MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

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.

2014.06.06