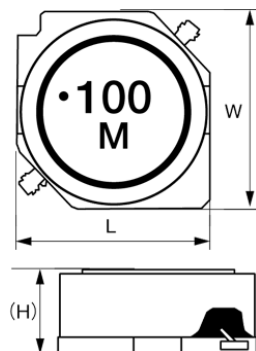


## SMD Power Inductors (NS series)

## NS10165T100MNA



## ■ Features

- Item Summary  
10  $\mu$ H( $\pm$ 20%), 5.2A, 4.66A
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 2000pcs(500pcs\*4reel)

## ■ Products characteristics table

CaseSize (EIA/JIS)	-/10165
Inductance	10 $\mu$ H( $\pm$ 20%)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	5.2A
Rated Current -Temperature Rise Current	4.66A
DC Resistance (max)	0.0204 $\Omega$
Avg. of DC.Resistance	0.017 $\Omega$
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	16.6MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

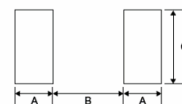
## ■ External Dimensions

L	10.1mm $\pm$ 0.3
W	10.1mm $\pm$ 0.3
H	6.5mm $\pm$ 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せようお願いします。  
・本製品のはんだ付けはリフローはんだ工法にのみ適用されます。

【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

2014.03.06

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.