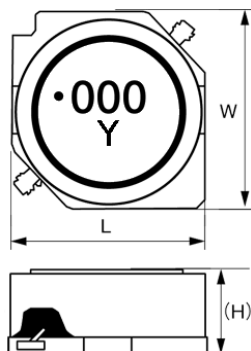


## SMD Power Inductors (NS series)

## NS10145T151MNA



## ■ Features

- Item Summary  
150  $\mu$ H( $\pm$ 20%), 1.11A, 0.94A
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 2000pcs(500pcs\*4reel)

## ■ Products characteristics table

CaseSize (EIA/JIS)	-/101101
Inductance	150 $\mu$ H( $\pm$ 20%)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	1.11A
Rated Current -Temperature Rise Current	0.94A
DC Resistance (max)	0.4092 $\Omega$
Avg. of DC.Resistance	0.341 $\Omega$
Self-resonant Frequency (min)	4.7MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

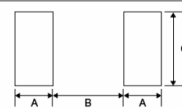
## ■ External Dimensions

L	10.1mm $\pm$ 0.3
W	10.1mm $\pm$ 0.3
H	4.5mm $\pm$ 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.



Type	A	B	C
NS 10145	2.5	5.6	3.2
NS 10155	2.6	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

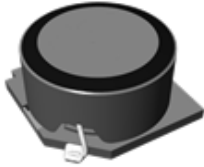
unit:mm

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.

SMD Power Inductors (NS series)

NS10145T151MNA



Dimension	unit : mm	unit : inch
Length :	10.1 +/- 0.3	( 0.398 +/- 0.012 )
Width :	10.1 +/- 0.3	( 0.398 +/- 0.012 )
Height :	4.5 +/- 0.35	( 0.177 +/- 0.014 )

Inductance :	150	uH ( test freq at 0.1MHz )
DC Resistance :	0.341 / 0.4092	ohm ( typ / max )
Saturation Current :	1.11	A ( max )
Temp. rise Current :	0.94	A ( max )
Saturation current typical : 30% reduction from initial L value.		
Temp rise Current typical : Temperature will rise by 40 deg C		

