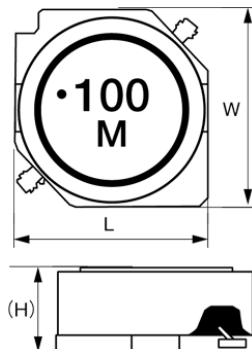


## SMD Power Inductors (NS series)

## NS10165T4R7NNA



## ■ Features

- Item Summary  
4.7  $\mu$ H( $\pm 30\%$ ), 7.7A, 5.88A
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 2000pcs(500pcs\*4reel)

## ■ Products characteristics table

CaseSize (EIA/JIS)	~/10165
Inductance	4.7 $\mu$ H( $\pm 30\%$ )
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	7.7A
Rated Current -Temperature Rise Current	5.88A
DC Resistance (max)	0.0132 $\Omega$
Avg. of DC.Resistance	0.011 $\Omega$
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	36.8MHz
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。また、お買い上げの際は、  
 ・本製品のはんだ付けはリフローはんだ工法にのみ対応します。

【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