

## SMD Power Inductors (NS series)

## NS12555T6R0NN



## ■ Features

- Item Summary  
6.0  $\mu$ H( $\pm 30\%$ ), 5.01A, 5.6A
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 2000pcs(500pcs\*4reel)

## ■ Products characteristics table

CaseSize (EIA/JIS)	-/12555
Inductance	6.0 $\mu$ H( $\pm 30\%$ )
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	5.01A
Rated Current -Temperature Rise Current	5.6A
DC Resistance (max)	0.0168 $\Omega$
Avg. of DC.Resistance	0.014 $\Omega$
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	26.4MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

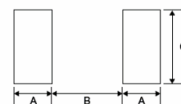
## ■ External Dimensions

L	12.5mm $\pm 0.3$
W	12.5mm $\pm 0.3$
H	5.5mm $\pm 0.35$

## ■ 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.



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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