

SMD Power Inductors (NS series)

NS10165T6R8NNA



■ Features

- Item Summary
6.8 μ H($\pm 30\%$), 6A, 5.22A
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 2000pcs(500pcs*4reel)

■ Products characteristics table

CaseSize (EIA/JIS)	~/10165
Inductance	6.8 μ H($\pm 30\%$)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	6A
Rated Current -Temperature Rise Current	5.22A
DC Resistance (max)	0.0168 Ω
Avg. of DC.Resistance	0.014 Ω
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	20.7MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ 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。また、ご購入の際は、本製品の仕様書を確認してください。
 ・本製品は、はんだ付けはリフローはんだ付けにのみ対応します。

【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