

SMD Power Inductors (NS series)

NS12565T4R2NN



■ Features

- Item Summary
4.2 μ H ($\pm 30\%$), 10.15A, 5.91A
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 2000pcs(500pcs*4reel)

■ Products characteristics table

CaseSize (EIA/JIS)	-/12565
Inductance	4.2 μ H ($\pm 30\%$)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	10.15A
Rated Current -Temperature Rise Current	5.91A
DC Resistance (max)	0.01512 Ω
Avg. of DC.Resistance	0.0126 Ω
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	41.5MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

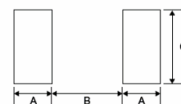
■ External Dimensions

L	12.5mm ± 0.3
W	12.5mm ± 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、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