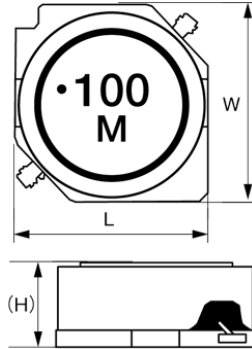


SMD Power Inductors (NS series)

NS12575T6R8NN



■ Features

- Item Summary
6.8 μ H ($\pm 30\%$), 10.02A, 5.84A
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 2000pcs(500pcs*4reel)

■ Products characteristics table

CaseSize (EIA/JIS)	-/12575
Inductance	6.8 μ H ($\pm 30\%$)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	10.02A
Rated Current -Temperature Rise Current	5.84A
DC Resistance (max)	0.01572 Ω
Avg. of DC.Resistance	0.0131 Ω
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	24MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	12.5mm ± 0.3
W	12.5mm ± 0.3
H	7.5mm ± 0.35

■ Recommended Land Patterns

<p>【推奨ランドパターン】 実装上の注意</p> <ul style="list-style-type: none"> ・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のみ限ります。
<p>【Recommended Land Patterns】 Surface Mounting</p> <ul style="list-style-type: none"> ・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