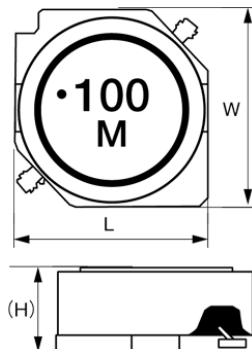


SMD Power Inductors (NS series)

NS10165T100MNA



■ Features

- Item Summary
10 μ H($\pm 20\%$), 5.2A, 4.66A
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 2000pcs(500pcs*4reel)

■ Products characteristics table

CaseSize (EIA/JIS)	-/10165
Inductance	10 μ H($\pm 20\%$)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	5.2A
Rated Current -Temperature Rise Current	4.66A
DC Resistance (max)	0.0204 Ω
Avg. of DC.Resistance	0.017 Ω
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	16.6MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

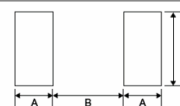
■ External Dimensions

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、本製品のロット番号はリフローはんだ工法に限りません。

【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