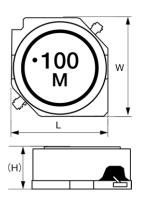
## **Spec Sheet**

# SMD Power Inductors (NS series)

# NS12575T100MN



#### Features

- Item Summary
  10 μ H(±20%), 7.65A, 5.55A
- Lifecycle Stage

Mass Production

- Standard packaging quantity (minimum)

Taping 2000pcs(500pcs\*4reel)

#### Products characteristics table

CaseSize (EIA/JIS)	-/12575
Inductance	10 μH(±20%)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	7.65A
Rated Current -Temperature Rise Current	5.55A
DC Resistance (max)	0.01872Ω
Avg. of DC.Resistance	0.0156Ω
Temperature Range	-40℃ to 125℃
Self-resonant Frequency (min)	21.5MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

#### External Dimensions

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

### Recommended Land Patterns



SMD Power Inductors (NS series)				
Type	A	В	С	
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	

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