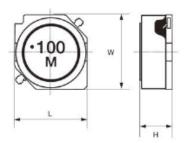
Spec Sheet

SMD Power Inductors (NS series)

NS12555T152MN



Features

- Item Summary 1500uH±20%, 0.4A, 12.5x12.5x5.5mm
- Lifecycle Stage
 Mass Production
- Standard packaging quantity (minimum)
 Taping Embossed 2000pcs(500pcs*4reel)

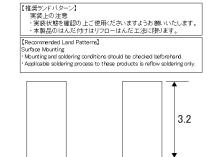
Products characteristics table

Inductance	1500 uH ± 20 %
Case Size (mm)	12.5x12.5
Rated Current (max)	0.4 A
Saturation Current (max)	0.4 A
Temperature Rise Current (max)	0.44 A
DC Resistance (typ)	1.73 Ω
DC Resistance (max)	2.08 Ω
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	1.7 MHz
Operating Temp. Range	-40 to +125 ℃ (Including-self-generated heat)
RoHS2 Compliance	Yes
REACH Compliance	Yes
Soldering	Reflow

External Dimensions

Dimension L	12.5 ±0.3 mm
Dimension W	12.5 ±0.3 mm
Dimension H	5.5 ±0.35 mm

Recommended Land Patterns



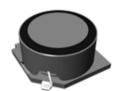
2.5

2.5

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SMD Power Inductors (NS series)

NS12555T152MN



Dimension unit: mm unit: inch

Length: 12.5 +/- 0.3 (0.492 +/- 0.012)

Width: 12.5 +/- 0.3 (0.492 +/- 0.012)

Height: 5.5 +/- 0.35 (0.217 +/- 0.014)

Inductance: 1500 uH (test freq at 0.1MHz)
DC Resistance: 1.73 / 2.076 ohm (typ/max)

Saturation Current: 0.40 A (max) Temp. rise Current: 0.44 A (max)

Saturation current typical: 30% reduction from initial L value.

Temp rise Current typical: Temperature will rise by 40 deg C

