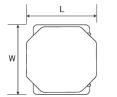
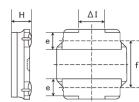
## **Spec Sheet**

# SMD Power Inductors (NR series)

## NR6012T5R3ME





#### Features

- Item Summary 5.3uH±20%, 1.4A, 6.0x6.0x1.2mm
- Lifecycle Stage
  - Mass Production
- Standard packaging quantity (minimum)
  Taping Embossed 1000pcs

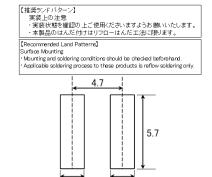
#### Products characteristics table

Inductance	5.3 uH ± 20 %
Case Size (mm)	6.0x6.0
Rated Current (max)	1.4 A
Saturation Current (max)	1.5 A
Temperature Rise Current (max)	1.4 A
DC Resistance (max)	0.15 Ω
DC Resistance (typ)	0.125 Ω
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	34 MHz
Operating Temp. Range	-25 to +120 ℃ (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 20 %
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

#### ■ External Dimensions

Dimension L	6.0 ±0.2 mm
Dimension W	6.0 ±0.2 mm
Dimension H	Max 1.2 mm
Dimension e	1.35 ±0.2 mm
Dimension f	4.0 ±0.2 mm
Dimension Δ1	Typ 2.3 mm

### Recommended Land Patterns



2017.04.30

Unit: mm

## SMD Power Inductors (NR series)

#### NR6012T5R3ME



Dimension unit : mm unit: inch Length: 6.0 + / - 0.2(0.236 + / - 0.008)Width: 6.0 +/- 0.2 (0.236 +/- 0.008) max. ) Height: 1.2 max. (0.047

Inductance: 5.3 (test freq at 0.1MHz) иΗ DC Resistance: 0.125 / 0.15 ohm (typ/max)

Saturation Current: 1,500 mA ( max ) 1,400 mA ( max ) Temp. rise Current:

> Saturation current typical: 30% reduction from initial L value. Temp rise Current typical: Temperature will rise by 40 deg C

