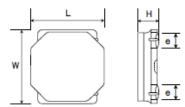
### **Spec Sheet**

# SMD Power Inductors (NR series S type)

# NRS5020T150MMGJ



#### Features

- Item Summary 15uH±20%, 1.1A, 4.9x4.9x2.0mm
- Lifecycle Stage
  - Mass Production
- Standard packaging quantity (minimum)
   Taping Embossed 800pcs

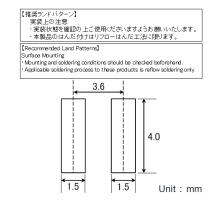
#### ■ Products characteristics table

Inductance	15 uH ± 20 %
Case Size (mm)	4.9x4.9
Rated Current (max)	1.1 A
Saturation Current (max)	1.1 A
Temperature Rise Current (max)	1.2 A
DC Resistance (typ)	0.165 Ω
DC Resistance (max)	0.198 Ω
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	20 MHz
Operating Temp. Range	-25 to +125 ℃ (Including-self-generated heat)
RoHS2 Compliance	Yes
REACH Compliance	Yes
Soldering	Reflow

#### ■ External Dimensions

Dimension L	4.9 ±0.2 mm
Dimension W	4.9 ±0.2 mm
Dimension H	Max 2.0 mm
Dimension e	1.2 ±0.2 mm

### Recommended Land Patterns



2016.01.25

## TAIYO YUDEN

## SMD Power Inductors (NR series S type)

### NRS5020T150MMGJ



Dimension unit: mm unit: inch

Length: 4.9 +/- 0.2 (0.193 +/- 0.008)

Width: 4.9 +/- 0.2 (0.193 +/- 0.008)

Height: 2.0 max. (0.079 max.)

Inductance: 15 uH (test freq at 0.1MHz)
DC Resistance: 0.165 / 0.198 ohm (typ/max)

Saturation Current: 1,100 mA (max) Temp. rise Current: 1,200 mA (max)

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

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

