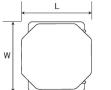
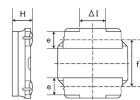
Spec Sheet

SMD Power Inductors (NR series)

NR6028T2R2N





Features

- Item Summary 2.2uH±30%, 3.7A, 6.0x6.0x2.8mm
- Lifecycle Stage

Mass Production

Standard packaging quantity (minimum)
 Taping Embossed 2000pcs

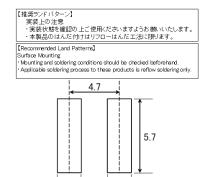
Products characteristics table

Inductance	2.2 uH ± 30 %
Case Size (mm)	6.0x6.0
Rated Current (max)	3.7 A
Saturation Current (max)	4.2 A
Temperature Rise Current (max)	3.7 A
DC Resistance (max)	26 mΩ
DC Resistance (typ)	20 mΩ
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	68 MHz
Operating Temp. Range	-25 to +120 ℃
	(Including-self-generated heat)
Temperature characteristic	± 20 %
(Inductance change)	
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (168 subst.)	Yes
Soldering	Reflow

External Dimensions

Dimension L	6.0 ±0.2 mm
Dimension W	6.0 ±0.2 mm
Dimension H	Max 2.8 mm
Dimension e	1.35 ±0.2 mm
Dimension f	4.0 ±0.2 mm
Dimension ΔI	Typ 2.3 mm

Recommended Land Patterns



2017.01.21

Unit: mm

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Dimension unit: mm unit: inch

Length: 6.0 +/- 0.2 (0.236 +/- 0.008)

Width: 6.0 +/- 0.2 (0.236 +/- 0.008)

Height: 2.8 max. (0.11 max.)

Inductance: 2.2 uH (test freq at 0.1MHz)
DC Resistance: 0.02 / 0.026 ohm (typ / max)

Saturation Current: 4,200 mA (max) Temp. rise Current: 3,700 mA (max)

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

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

