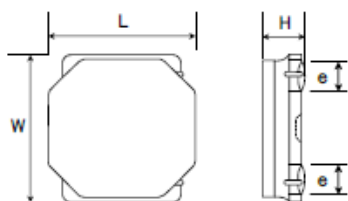


## SMD Power Inductors (NR series)

## NR6045T1R0N



## ■ Features

- Item Summary  
1.0uH±30%, 4.2A, 6.0x6.0x4.5mm
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 1500pcs

## ■ Products characteristics table

Inductance	1.0 uH ± 30 %
Case Size (mm)	6.0x6.0
Rated Current (max)	4.2 A
Saturation Current (max)	8.5 A
Temperature Rise Current (max)	4.2 A
DC Resistance (typ)	14 mΩ
DC Resistance (max)	18.2 mΩ
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	110 MHz
Operating Temp. Range	-25 to +120 °C (Including-self-generated heat)
RoHS2 Compliance	Yes
REACH Compliance	Yes
Soldering	Reflow

## ■ External Dimensions

Dimension L	6.0 ±0.2 mm
Dimension W	6.0 ±0.2 mm
Dimension H	Max 4.5 mm
Dimension e	1.35 ±0.2 mm

## ■ Recommended Land Patterns

【推奨ランドパターン】  
実装上の注意  
・実装状態を確認の上ご使用くださいますようお願いいたします。  
・本製品のはんだ付けはリフローはんだ工法に限ります。

【Recommended Land Patterns】  
Surface Mounting  
・Mounting and soldering conditions should be checked beforehand.  
・Applicable soldering process to these products is reflow soldering only.

