

SMD Power Inductors (NR series)

NR8040T6R8N



■ Features

- Item Summary
6.8uH±30%, 3.7A, 8.0x8.0x4.2mm
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 1000pcs

■ Products characteristics table

Inductance	6.8 uH ± 30 %
Case Size (mm)	8.0x8.0
Rated Current (max)	3.7 A
Saturation Current (max)	4 A
Temperature Rise Current (max)	3.7 A
DC Resistance (typ)	25 mΩ
DC Resistance (max)	32.5 mΩ
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	24 MHz
Operating Temp. Range	-25 to +120 °C (Including-self-generated heat)
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (163 subst.)	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	8.0 ±0.2 mm
Dimension W	8.0 ±0.2 mm
Dimension H	Max 4.2 mm
Dimension e	1.6 ±0.3 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.

