

# Spec Sheet

SMD Power Inductors for Industrial / Automotive Comfort and Safety Applications (NR series H type / V type / S type)

## NRS8040T0R9NJGV



### ■ Features

- Item Summary  
0.9  $\mu$ H( $\pm$ 30%), 13000mA, 7800mA
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping 1000pcs

### ■ Products characteristics table

CaseSize (EIA/JIS)	-/8040
Inductance	0.9 $\mu$ H( $\pm$ 30%)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	13000mA
Rated Current -Temperature Rise Current	7800mA
DC Resistance (max)	0.0078 $\Omega$
Avg. of DC.Resistance	0.006 $\Omega$
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	85MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

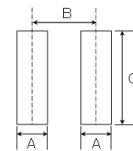
### ■ External Dimensions

L	8mm $\pm$ 0.2
W	8mm $\pm$ 0.2
H	4.2mm max

### ■ 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。また、お問い合わせいたします。  
・本製品のはんだ付けはリフローはんだ工法に限りま。

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



SMD Power Inductors (NR series/NR series H type/S type /V type)

Type	A	B	C
NRS8030,	1.8	5.6	7.5
NR 6040, NRS8040			

unit:mm

2014.03.06

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
TAIYO YUDEN reserves the right to make change to the Date at any time without notice.  
Before making final selection, please check product specification.