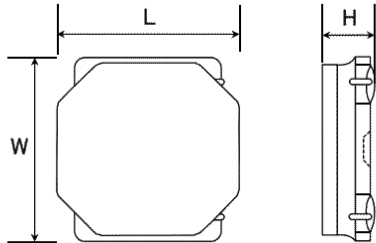


# Spec Sheet

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

## NRS5030T1R0NMGJV



### ■ Features

- Item Summary  
1.0  $\mu$ H( $\pm$ 30%), 6600mA, 4000mA
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping 500pcs

### ■ Products characteristics table

CaseSize (EIA/JIS)	-/5050
Inductance	1.0 $\mu$ H( $\pm$ 30%)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	6600mA
Rated Current -Temperature Rise Current	4000mA
DC Resistance (max)	0.0195 $\Omega$
Avg. of DC.Resistance	0.015 $\Omega$
Self-resonant Frequency (min)	110MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

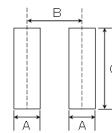
### ■ External Dimensions

L	4.9mm $\pm$ 0.2
W	4.9mm $\pm$ 0.2
H	3.1mm 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で使用ください。実装前にお買い上げの製品を確認してください。  
 ・本製品のほんだ付けはフラワーはんだ工法に準じます。

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



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

Type	A	B	C
NRS010			
NRS002			
NRS004			
NRS020	1.5	3.6	4
NRS024			
NRS030			
NR 5040, NRS5040			

unit:mm

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.

2015.03.06