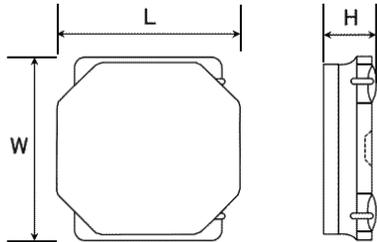


# Spec Sheet

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

## NRS5030T100MMGJV



### ■ Features

- Item Summary  
10  $\mu$ H ( $\pm 20\%$ ), 2100mA, 1700mA
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping 500pcs

### ■ Products characteristics table

CaseSize (EIA/JIS)	-/5050
Inductance	10 $\mu$ H ( $\pm 20\%$ )
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	2100mA
Rated Current -Temperature Rise Current	1700mA
DC Resistance (max)	0.091 $\Omega$
Avg. of DC.Resistance	0.07 $\Omega$
Self-resonant Frequency (min)	20MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

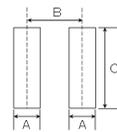
### ■ External Dimensions

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。また、ご購入の際は、  
 ・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			
NRS012			
NRS014			
NRS020	1.5	3.6	4
NRS024			
NRS030			
NR 5040, NRS040			

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