

# Spec Sheet

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

## NRS4012T100MDGJV



### ■ Features

- Item Summary  
10  $\mu$ H ( $\pm 20\%$ ), 800mA, 1100mA
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping 4500pcs

### ■ Products characteristics table

CaseSize (EIA/JIS)	~/4012
Inductance	10 $\mu$ H ( $\pm 20\%$ )
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	800mA
Rated Current -Temperature Rise Current	1100mA
DC Resistance (max)	0.204 $\Omega$
Avg. of DC Resistance	0.17 $\Omega$
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	30MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

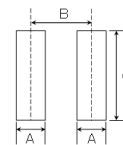
### ■ External Dimensions

L	4mm $\pm 0.2$
W	4mm $\pm 0.2$
H	1.2mm 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、ご購入の際は、  
 ・本製品のはんだ付けはリフローはんだ工法に限り、  
 ・本製品は、  
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【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
NR 4010, NRS4010,			
NR 4012, NRS4012,	1.2	2.8	3.7
NR 4018, NRS4018			

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.