

# Spec Sheet

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

## NRH3012T4R7MNV



### ■ Features

- Item Summary  
4.7  $\mu$ H( $\pm$ 20%), 1000mA, 1060mA
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping 2000pcs

### ■ Products characteristics table

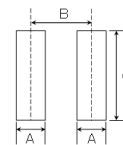
CaseSize (EIA/JIS)	-/3012
Inductance	4.7 $\mu$ H( $\pm$ 20%)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	1000mA
Rated Current -Temperature Rise Current	1060mA
DC Resistance (max)	0.156 $\Omega$
Avg. of DC.Resistance	0.13 $\Omega$
Temperature Range	-40°C to 125°C
Self-resonant Frequency (min)	50MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

### ■ External Dimensions

L	3mm $\pm$ 0.1
W	3mm $\pm$ 0.1
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、  
 【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 3010, NRH3010,			
NR 3012, NRH3012, NRV3012,	0.8	2.2	2.7
NR 3015, NPS3015			

unit:mm

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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.