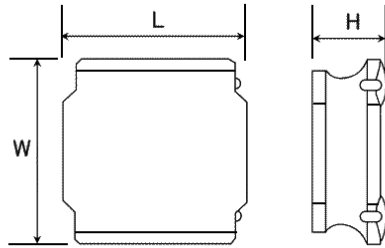


## SMD Power Inductors (NR series S type)

## NRS4018T2R2MDGJ



## ■ Features

- Item Summary  
2.2  $\mu$ H ( $\pm 20\%$ ), 3000mA, 2200mA
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 3500pcs

## ■ Products characteristics table

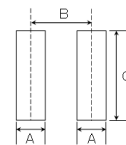
Inductance	2.2 $\mu$ H ( $\pm 20\%$ )
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	3000mA
Rated Current -Temperature Rise Current	2200mA
DC Resistance (max)	0.0504 $\Omega$
Avg. of DC.Resistance	0.042 $\Omega$
Temperature Range	-25 to +125 $^{\circ}$ C
Self-resonant Frequency (min)	60MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

## ■ External Dimensions

L	4mm $\pm 0.2$
W	4mm $\pm 0.2$
H	1.8mm 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。よろしくお買い求めいたします。 ・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
NR 4010, NRS4010,			
NR 4012, NRS4012,	1.2	2.8	3.7
NR 4018, NRS4018			

unit:mm

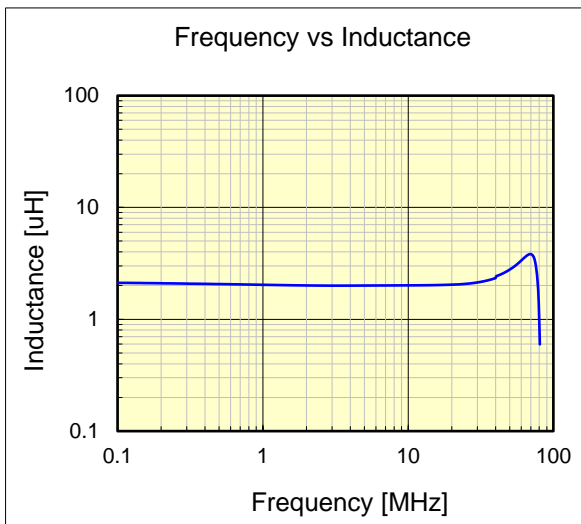
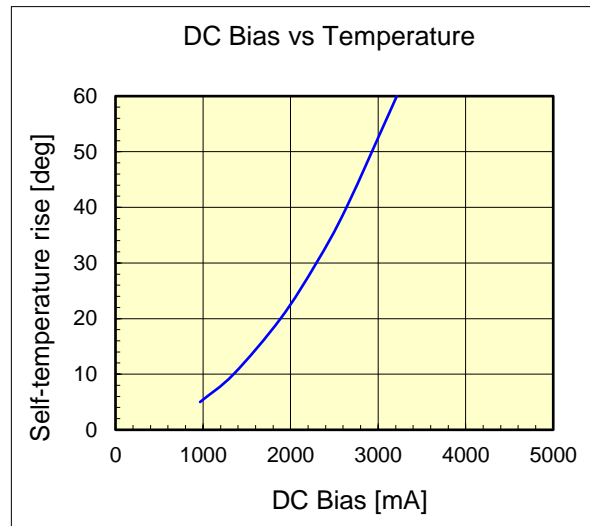
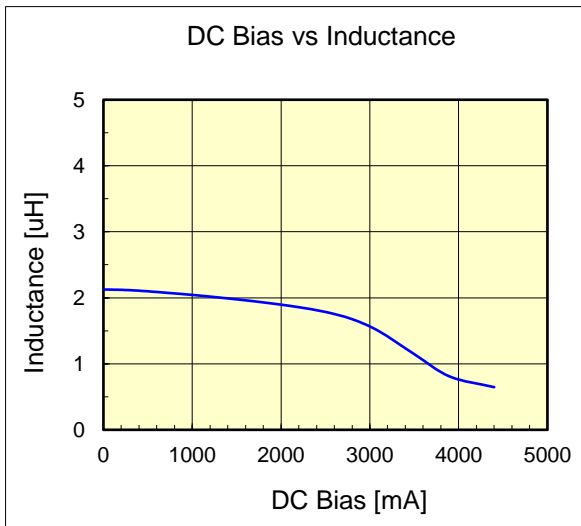
SMD Power Inductors (NR series S type)

NRS4018T2R2MDGJ



Dimension	unit : mm	unit : inch
Length :	4.0 +/- 0.2	( 0.157 +/- 0.008 )
Width :	4.0 +/- 0.2	( 0.157 +/- 0.008 )
Height :	1.8 max.	( 0.071 max. )

Inductance :	2.2	$\mu$ H ( test freq at 0.1MHz )
DC Resistance :	0.042 / 0.0504	ohm ( typ / max )
Saturation Current :	3,000	mA ( max )
Temp. rise Current :	2,200	mA ( max )
Saturation current typical : 30% reduction from initial L value.		
Temp rise Current typical : Temperature will rise by 40 deg C		



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