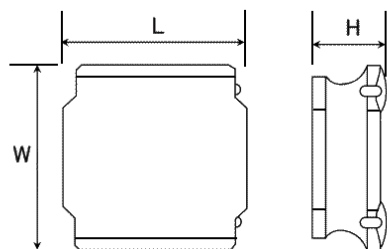


## SMD Power Inductors (NR series S type)

## NRS4018T470MDGJ



## ■ Features

- Item Summary  
47  $\mu$ H ( $\pm 20\%$ ), 600mA, 440mA
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 3500pcs

## ■ Products characteristics table

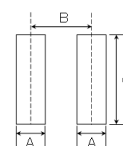
CaseSize (EIA/JIS)	-/4040
Inductance	47 $\mu$ H ( $\pm 20\%$ )
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	600mA
Rated Current -Temperature Rise Current	440mA
DC Resistance (max)	0.78 $\Omega$
Avg. of DC Resistance	0.65 $\Omega$
Self-resonant Frequency (min)	10MHz
RoHS Compliance	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

<b>【推奨ランドパターン】</b> 実装上の注意 ・実装状態を確認の上ご使用くださいませうお願いたします。 ・本製品のはんだ付けはリフローはんだ工法に限ります。
<b>【Recommended Land Patterns】</b> 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 401 0, NRS401 0,			
NR 401 2, NRS401 2,	1.2	2.8	3.7
NR 401 8, NRS401 8			

unit:mm

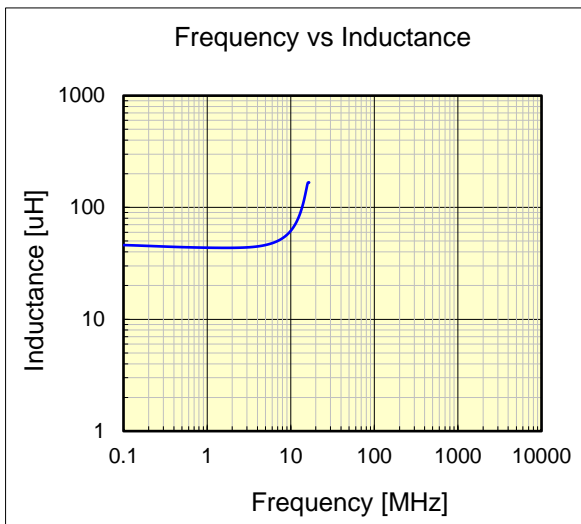
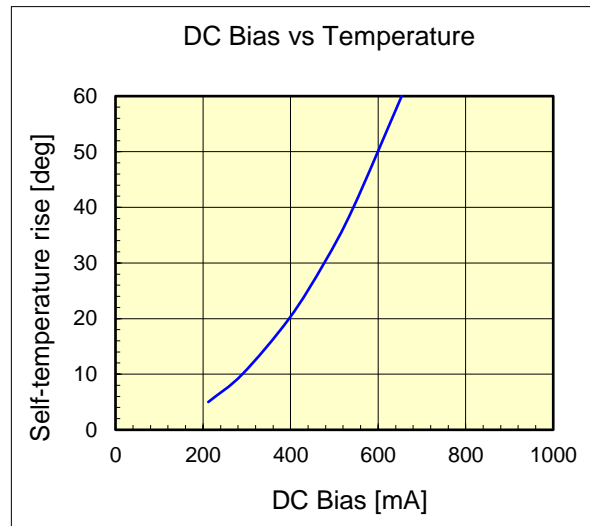
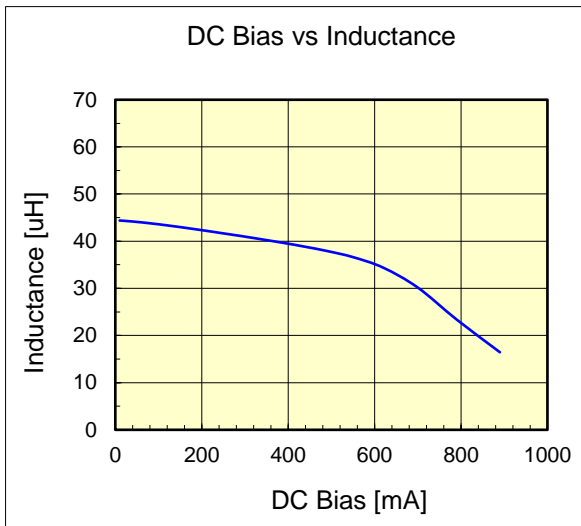
SMD Power Inductors (NR series S type)

NRS4018T470MDGJ



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 :	47	uH ( test freq at 0.1MHz )
DC Resistance :	0.65 / 0.78	ohm ( typ / max )
Saturation Current :	600	mA ( max )
Temp. rise Current :	440	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.