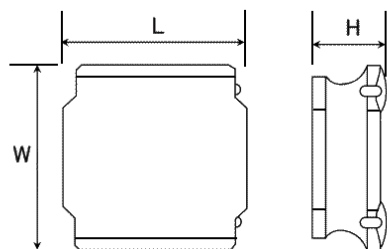


## SMD Power Inductors (NR series S type)

## NRS4018T680MDGJ



## ■ Features

- Item Summary  
68  $\mu$ H ( $\pm 20\%$ ), 520mA, 320mA
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 3500pcs

## ■ Products characteristics table

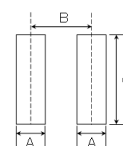
CaseSize (EIA/JIS)	-/4040
Inductance	68 $\mu$ H ( $\pm 20\%$ )
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	520mA
Rated Current -Temperature Rise Current	320mA
DC Resistance (max)	1.2 $\Omega$
Avg. of DC.Resistance	1 $\Omega$
Self-resonant Frequency (min)	8.3MHz
RoHS Compliance	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。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 401 0, NRS401 0,			
NR 401 2, NRS401 2,	1.2	2.8	3.7
NR 401 8, NRS401 8			

unit:mm

2015.04.14

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.

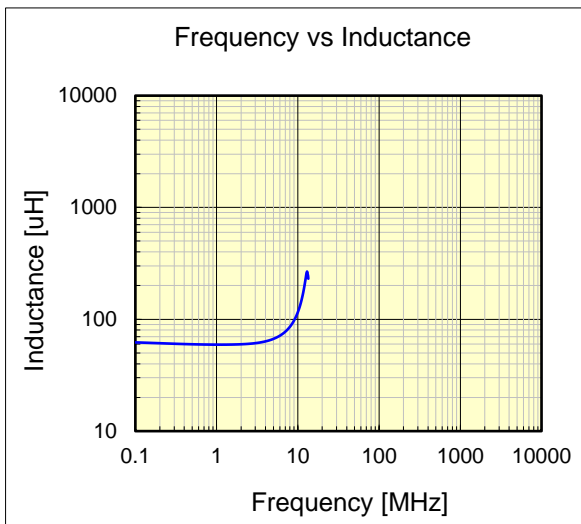
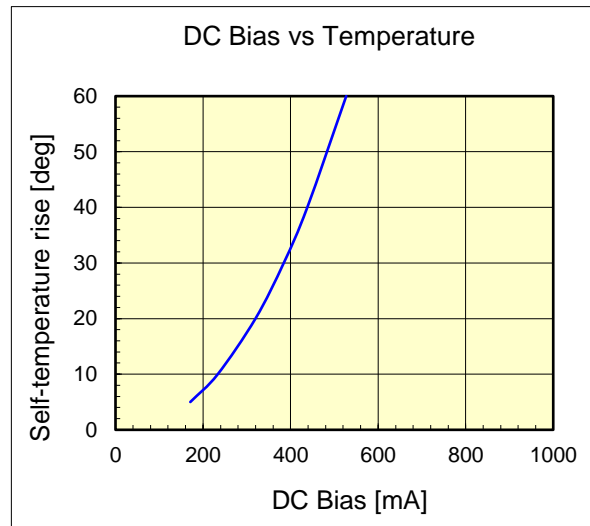
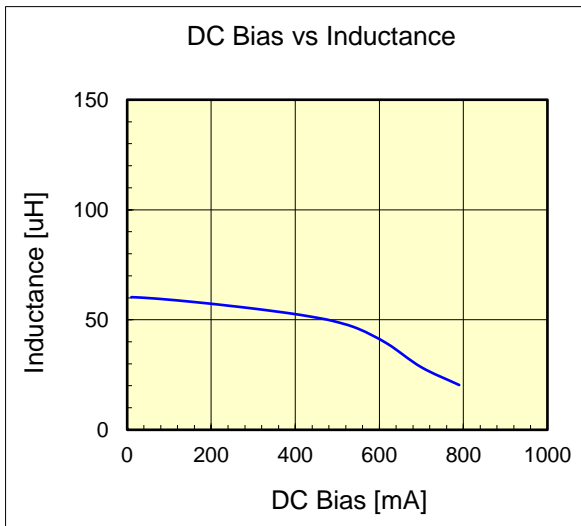
SMD Power Inductors (NR series S type)

NRS4018T680MDGJ



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 :	68	uH ( test freq at 0.1MHz )
DC Resistance :	1.0 / 1.2	ohm ( typ / max )
Saturation Current :	520	mA ( max )
Temp. rise Current :	320	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.