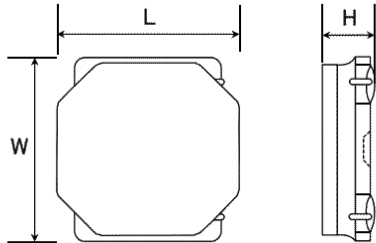


SMD Power Inductors (NR series S type)

NRS5020T150MMGJ



■ Features

- Item Summary
15 μ H ($\pm 20\%$), 1100mA, 1200mA
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 800pcs

■ Products characteristics table

Inductance	15 μ H ($\pm 20\%$)
Inductance Measuring Frequency	100kHz
Rated Current -Saturation Current	1100mA
Rated Current -Temperature Rise Current	1200mA
DC Resistance (max)	0.198 Ω
Avg. of DC.Resistance	0.165 Ω
Temperature Range	-25 to +125 $^{\circ}$ C
Self-resonant Frequency (min)	20MHz
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

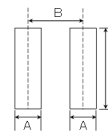
■ External Dimensions

L	4.9mm ± 0.2
W	4.9mm ± 0.2
H	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で使用ください。また、ご購入の際は、本製品のほんだ付けはフラットはんだ工法にお願いします。

【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
NRS010			
NRS012			
NRS014			
NRS020	1.5	3.6	4
NRS024			
NRS030			
NR 5040, NRS5040			

unit:mm

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.

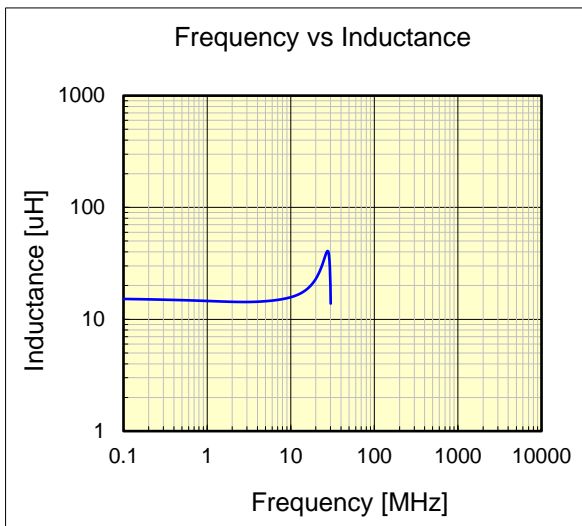
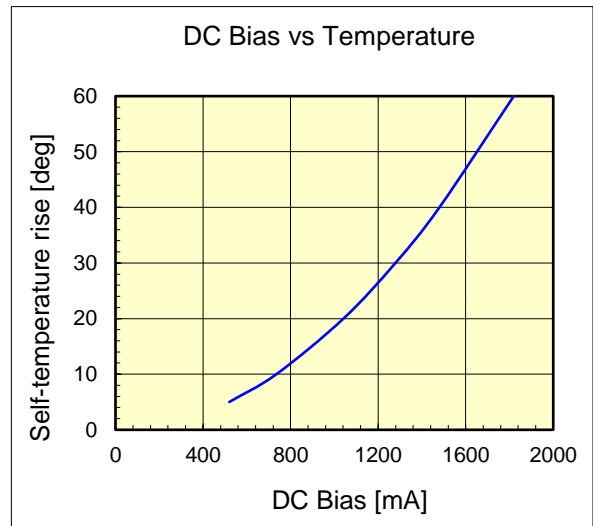
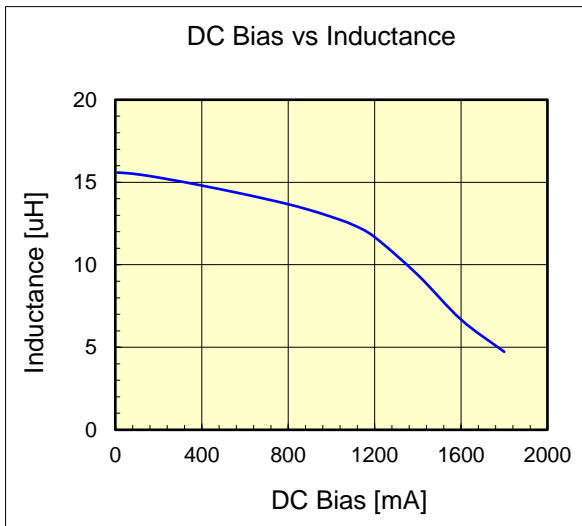
SMD Power Inductors (NR series S type)

NRS5020T150MMGJ



Dimension	unit : mm	unit : inch
Length :	4.9 +/- 0.2	(0.193 +/- 0.008)
Width :	4.9 +/- 0.2	(0.193 +/- 0.008)
Height :	2.0 max.	(0.079 max.)

Inductance : 15 uH (test freq at 0.1MHz)
 DC Resistance : 0.165 / 0.198 ohm (typ / max)
 Saturation Current : 1,100 mA (max)
 Temp. rise Current : 1,200 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.