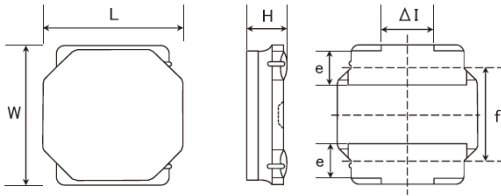


Inductors

NRS6045T220MMGK



■ Features

- Item Summary
22uH±20%, 1.6A, 6.0x6.0x4.5mm
- Lifecycle Stage
New PN available
- Standard packaging quantity (minimum)
Taping Embossed 1500pcs

■ Products characteristics table

Inductance	22 uH ± 20 %
Case Size (mm)	6.0x6.0
Rated Current (max)	1.6 A
Saturation Current (max)	2 A (ΔL=30%)
Saturation Current (typ)	2.4 A (ΔL=30%)
Temperature Rise Current (max)	1.6 A (ΔT=40°C)
Temperature Rise Current (typ)	1.9 A (ΔT=40°C)
DC Resistance (max)	0.1391 Ω
DC Resistance (typ)	0.107 Ω
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	7 MHz
Operating Temp. Range	-25 to +125 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 20 %
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

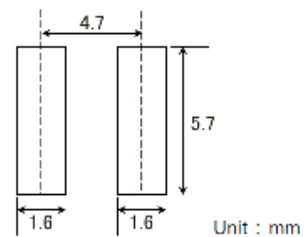
■ External Dimensions

Dimension L	6.0 ± 0.2 mm
Dimension W	6.0 ± 0.2 mm
Dimension H	Max 4.5 mm
Dimension e	1.35 ± 0.2 mm
Dimension f	4.0 ± 0.2 mm
Dimension ΔI	Typ 2.3 mm

■ Recommended Land Patterns

【推奨のランドパターン】
 二端子用半電
 ・両端子が接地面との間に1.6mmの隙間を確保し、両端子は、
 ・両端子の中心間隔は4.7mm、端子幅は1.6mmとする。

【Dimensional Land Pattern】
 Surface Mounting
 ・This is the recommended minimum solderable land pattern.
 ・Apply the soldering process to these products in the following way.



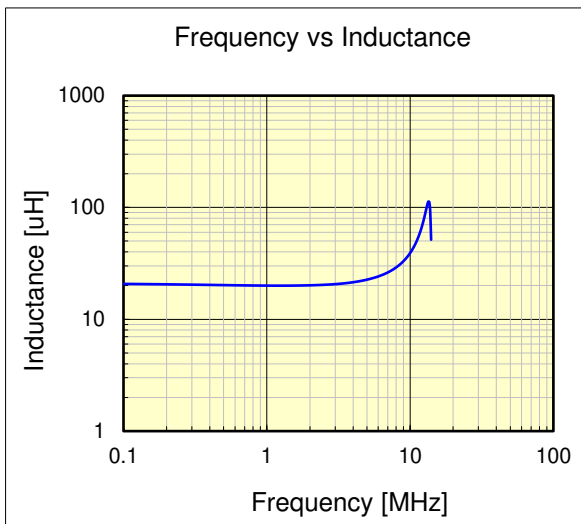
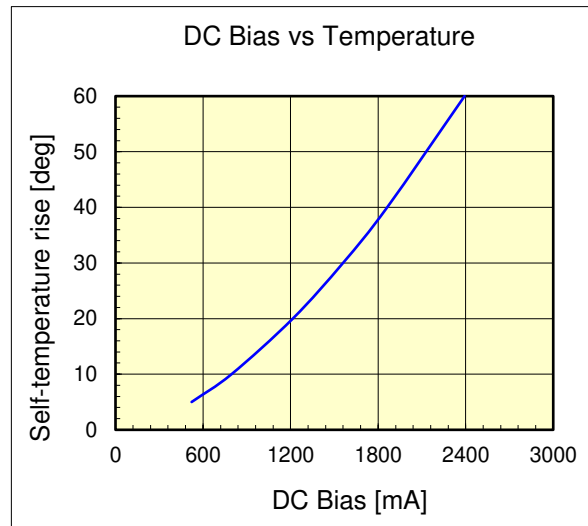
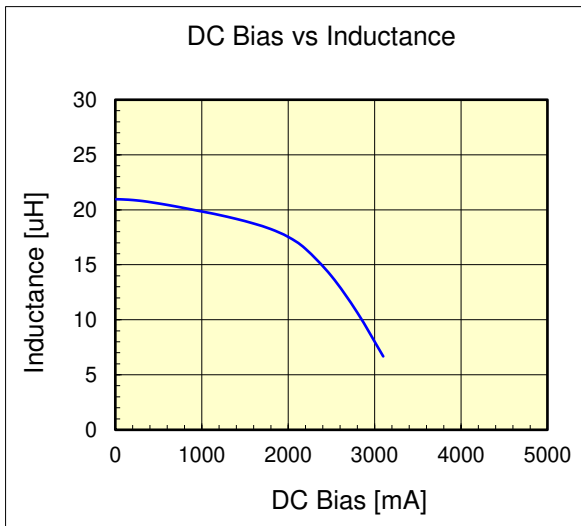
SMD Power Inductors (NR series S type)

NRS6045T220MMGK



Dimension	unit : mm	unit : inch
Length :	6.0 +/- 0.2	(0.236 +/- 0.008)
Width :	6.0 +/- 0.2	(0.236 +/- 0.008)
Height :	4.5 max.	(0.177 max.)

Inductance :	22	uH (test freq at 0.1MHz)
DC Resistance :	0.107 / 0.1391	ohm (typ / max)
Saturation Current :	2,000	mA (max)
Temp. rise Current :	1,600	mA (max)
Saturation current typical : 30% reduction from initial L value.		
Temp rise Current typical : Temperature will rise by 40 deg C		



Please read this notice before using the TAIYO YUDEN products.



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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).
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