

Inductors

NS10165T220MNV8



■ Features

- Item Summary
22uH±20%, 3.1A, 10.1x10.1x6.5mm
- Lifecycle Stage
New PN available
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs(500pcs*4reel)

■ Products characteristics table

Inductance	22 uH ± 20 %
Case Size (mm)	10.1x10.1
Rated Current (max)	3.1 A
Saturation Current (max)	3.1 A (ΔL=30%)
Temperature Rise Current (max)	3.41 A (ΔT=40°C)
DC Resistance (max)	42 mΩ
DC Resistance (typ)	35 mΩ
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	10.6 MHz
Operating Temp. Range	-40 to +125 °C (Including-self-generated heat)
Temperature characteristic (Inductance change)	± 15 %
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	10.1 ±0.3 mm
Dimension W	10.1 ±0.3 mm
Dimension H	6.5 ±0.35 mm
Dimension a	2.8 ±0.1 mm
Dimension b	2.0 ±0.15 mm

■ Recommended Land Patterns

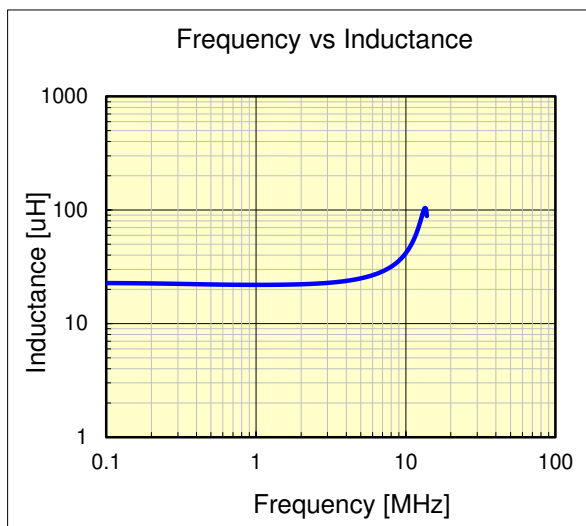
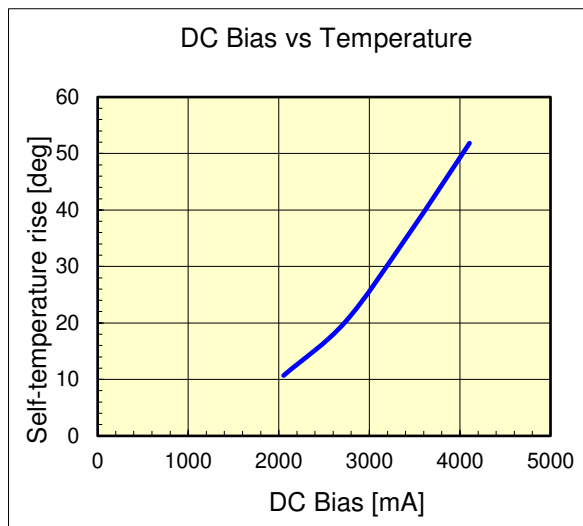
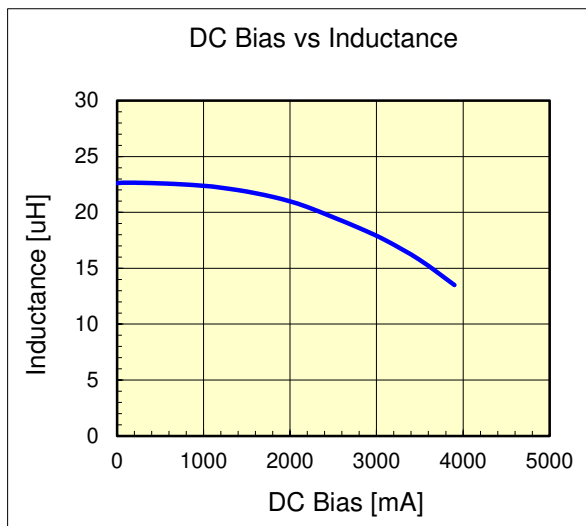
【推奨のランドパターン】
 両面テープ
 ・両面テープの両面にランドパターンの印刷を施すこと。
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【Recommended Land Pattern】
 Surface Mounting
 ・Flux is not to be kept on the inductor. It should be removed before use.
 ・Apply the soldering process to these products on reflow soldering only.



Wire Wound Inductor

NS10165T220MNV8



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.

Please read this notice before using the TAIYO YUDEN products.



REMINDERS

- Please conduct validation and verification of our products in actual condition of mounting and operating environment before using our 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).
When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.
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