

Inductors

NS10145T101MNV8



■ Features

- Item Summary
100uH±20%, 1.1A, 10.1x10.1x4.5mm
- Lifecycle Stage
New PN available
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs(500pcs*4reel)

■ Products characteristics table

Inductance	100 uH ± 20 %
Case Size (mm)	10.1x10.1
Rated Current (max)	1.1 A
Saturation Current (max)	1.4 A ($\Delta L=30\%$)
Temperature Rise Current (max)	1.1 A ($\Delta T=40^{\circ}\text{C}$)
DC Resistance (max)	0.276 Ω
DC Resistance (typ)	0.23 Ω
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	6 MHz
Operating Temp. Range	-40 to +125 $^{\circ}\text{C}$ (Including-self-generated heat)
Temperature characteristic (Inductance change)	$\pm 15 \%$
RoHS Compliance (10 subst.)	Yes
REACH Compliance (223 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

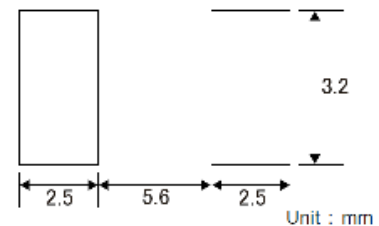
■ External Dimensions

Dimension L	10.1 ±0.3 mm
Dimension W	10.1 ±0.3 mm
Dimension H	4.5 ±0.35 mm
Dimension a	2.8 ±0.1 mm
Dimension b	2.0 ±0.15 mm

■ Recommended Land Patterns

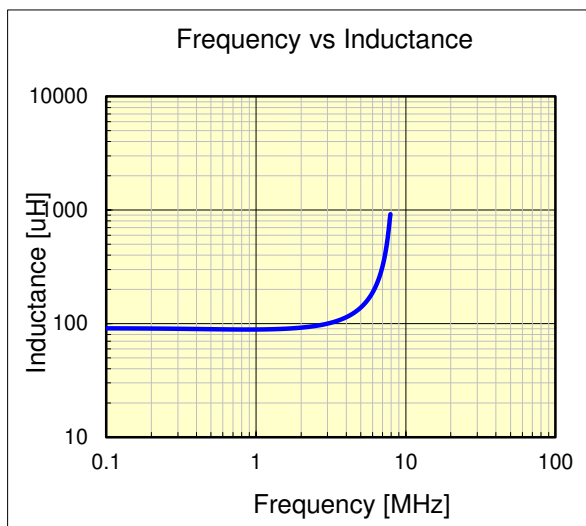
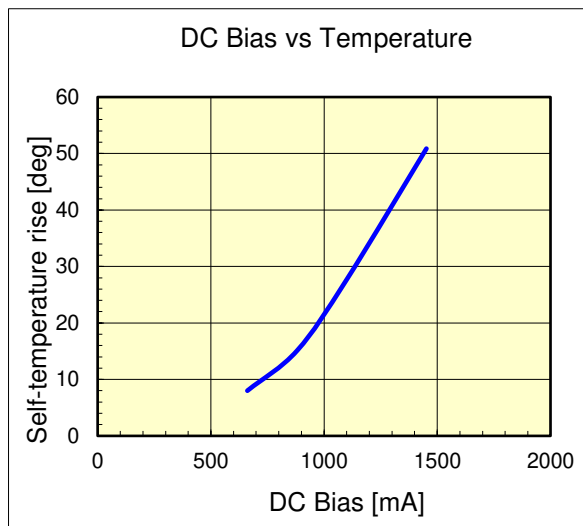
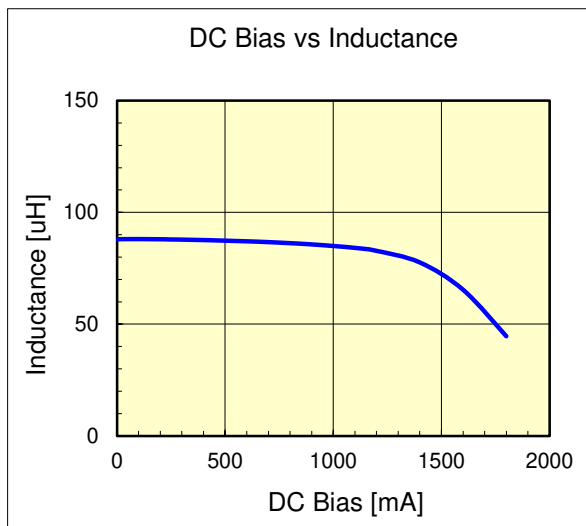
【推奨のランドパターン】
 二端子用半巻
 ・両端は鉛直線状にランドパターンの幅を確保してください。
 ・両端のランドパターンの幅は、2.5mm以上を確保してください。

【Dimensional Land Pattern】
 ・This is the recommended land pattern for reflow soldering.
 ・Apply the soldering process to these products in reflow soldering only.



Wire Wound Inductor

NS10145T101MNV8



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.



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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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