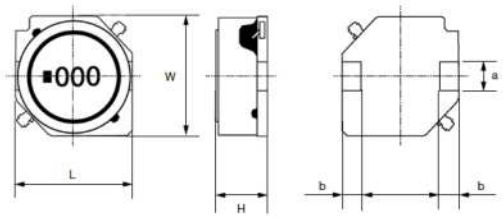
Spec Sheet

Inductors

NS10165T150MNV8



Features

- Item Summary

  15uH±20%, 3.6A, 10.1x10.1x6.5mm

- Lifecycle Stage

  New PN available

- Standard packaging quantity (minimum)

  Taping Embossed 2000pcs(500pcs*4reel)

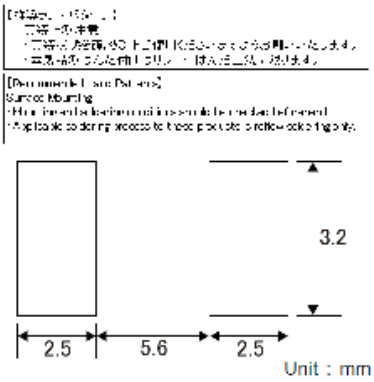
Products characteristics table

Inductance	15 uH ± 20 %
Case Size (mm)	10.1x10.1
Rated Current (max)	3.6 A
Saturation Current (max)	3.6 A (⊿L=30%)
Temperature Rise Current (max)	3.84 A (⊿T=40℃)
DC Resistance (max)	33.6 mΩ
DC Resistance (typ)	28 mΩ
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	13.2 MHz
Operating Temp. Range	-40 to +125 ℃ (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

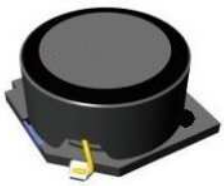
Recommended Land Patterns

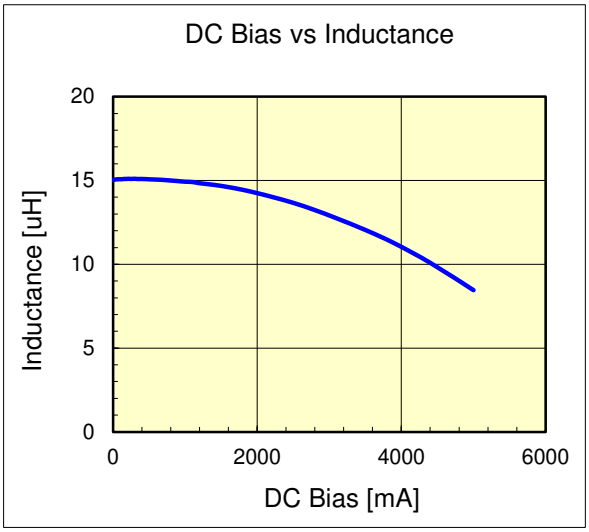


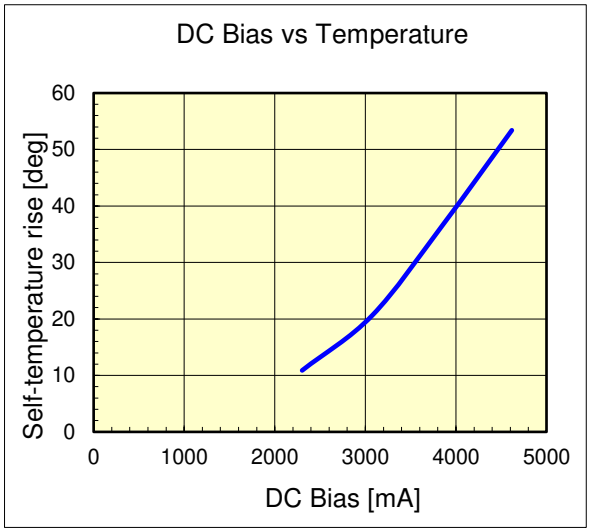
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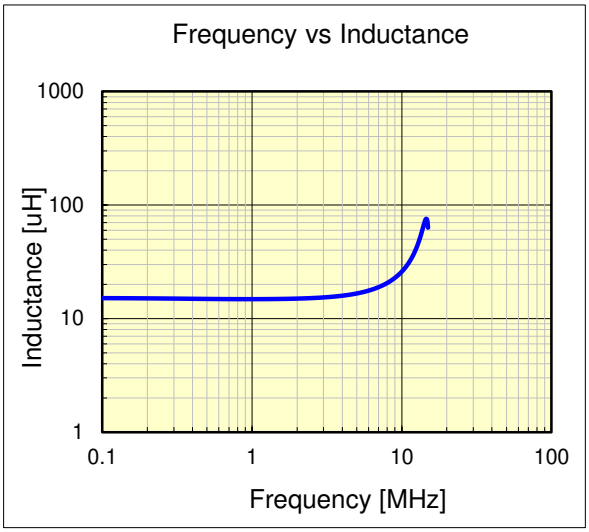
The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the data at any time without notice.
Before making final selection, please check product specification.

NS10165T150MNV8









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Please read this notice before using the TAIYO YUDEN products.

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- 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.
  Please note that unless you obtain prior written consent of TAIYO YUDEN, TAIYO YUDEN shall not be in any way responsible for any damages incurred by you or third parties arising from use of the product listed in this spec sheet for any equipment requiring inquiry to TAIYO YUDEN or prohibited for use by TAIYO YUDEN as described above.
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  The product listed in this spec sheet may require specific procedures for export according to “U.S. Export Administration Regulations”, “Foreign Exchange and Foreign Trade Control Law” of Japan, and other applicable regulations. Should you have any questions on this matter, please contact our sales staff.