

## Inductors

## NS10155T150MNV



## ■ Features

- Item Summary  
15uH $\pm$ 20%, 3.4A, 10.1x10.1x5.5mm
- Lifecycle Stage  
New PN available
- Standard packaging quantity (minimum)  
Taping Embossed 2000pcs(500pcs\*4reel)

## ■ Products characteristics table

Inductance	15 uH $\pm$ 20 %
Case Size (mm)	10.1x10.1
Rated Current (max)	3.4 A
Saturation Current (max)	4.03 A ( $\Delta$ L=30%)
Temperature Rise Current (max)	3.4 A ( $\Delta$ T=40°C)
DC Resistance (max)	37.2 m $\Omega$
DC Resistance (typ)	31 m $\Omega$
LQ Measuring Frequency	100 kHz
Self Resonant Frequency (min)	15.5 MHz
Operating Temp. Range	-40 to +125 °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 $\pm$ 0.3 mm
Dimension W	10.1 $\pm$ 0.3 mm
Dimension H	5.5 $\pm$ 0.35 mm
Dimension a	2.8 $\pm$ 0.1 mm
Dimension b	2.0 $\pm$ 0.15 mm

## ■ Recommended Land Patterns

【推奨ランドパターン】  
 両面テープ実装  
 ・両面テープ実装時のランド幅は0.5mm以上、ランド間隔は0.5mm以上とする。  
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【Reflow Soldering】  
 ・Fluxは実装後除去しないこと。実装後、実装部を乾燥させる。  
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Please read this notice before using the TAIYO YUDEN products.



## REMINDERS

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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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