

Inductors

NS10155T6R8NNV



■ Features

- Item Summary
6.8uH±30%, 4.98A, 10.1x10.1x5.5mm
- Lifecycle Stage
New PN available
- Standard packaging quantity (minimum)
Taping Embossed 2000pcs(500pcs*4reel)

■ Products characteristics table

| | |
|---|---|
| Inductance | 6.8 uH ± 30 % |
| Case Size (mm) | 10.1x10.1 |
| Rated Current (max) | 4.98 A |
| Saturation Current (max) | 6 A (ΔL=30%) |
| Temperature Rise Current (max) | 4.98 A (ΔT=40°C) |
| DC Resistance (max) | 19.1 mΩ |
| DC Resistance (typ) | 15.9 mΩ |
| LQ Measuring Frequency | 100 kHz |
| Self Resonant Frequency (min) | 24.2 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 |

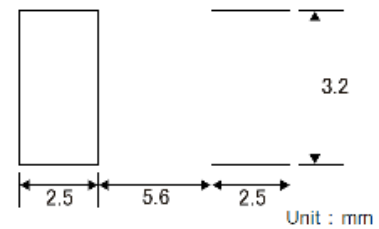
■ External Dimensions

| | |
|-------------|--------------|
| Dimension L | 10.1 ±0.3 mm |
| Dimension W | 10.1 ±0.3 mm |
| Dimension H | 5.5 ±0.35 mm |
| Dimension a | 2.8 ±0.1 mm |
| Dimension b | 2.0 ±0.15 mm |

■ Recommended Land Patterns

【推奨ランドパターン】
 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。
 ・両面テープの両面にランドパターンの印刷を施すこと。

【Reflow Soldering】
 ・Fluxは必ず使用し、両面に塗布すること。
 ・Fluxは必ず使用し、両面に塗布すること。



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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