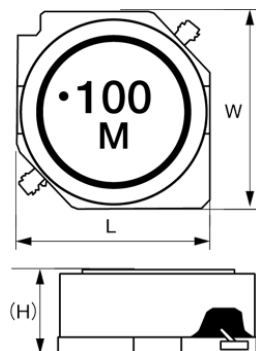


SMD Power Inductors (NS series)

NS12565T220MN



■ Features

- Item Summary
22 μ H(\pm 20%), 4.87A, 3.91A
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 2000pcs(500pcs*4reel)

■ Products characteristics table

| | |
|---|------------------------|
| CaseSize (EIA/JIS) | -/12565 |
| Inductance | 22 μ H(\pm 20%) |
| Inductance Measuring Frequency | 100kHz |
| Rated Current -Saturation Current | 4.87A |
| Rated Current -Temperature Rise Current | 3.91A |
| DC Resistance (max) | 0.0372 Ω |
| Avg. of DC.Resistance | 0.031 Ω |
| Temperature Range | -40°C to 125°C |
| Self-resonant Frequency (min) | 12.5MHz |
| RoHS Compliance | Yes |
| Halogen Free | Yes |
| Soldering Method | Reflow |

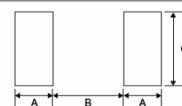
■ External Dimensions

| | |
|---|------------------|
| L | 12.5mm \pm 0.3 |
| W | 12.5mm \pm 0.3 |
| H | 6.5mm \pm 0.35 |

■ Recommended Land Patterns

【推奨ランドパターン】
実装上の注意
・実装状態を確認の上ご使用ください。また、ご購入の際は、
・本製品のはんだ付けはリフローはんだ工法にのみ対応します。

【Recommended Land Patterns】
Surface Mounting
・Mounting and soldering conditions should be checked beforehand.
・Applicable soldering process to these products is reflow soldering only.



| SMD Power Inductors (NS series) | | | |
|---------------------------------|-----|-----|-----|
| Type | A | B | C |
| NS 10145 | 2.5 | 5.6 | 3.2 |
| NS 10155 | 2.5 | 5.6 | 3.2 |
| NS 10165 | 2.5 | 5.6 | 3.2 |
| NS 12555 | 2.5 | 8.6 | 3.2 |
| NS 12565 | 2.5 | 8.6 | 3.2 |
| NS 12575 | 2.5 | 8.6 | 3.2 |

unit:mm