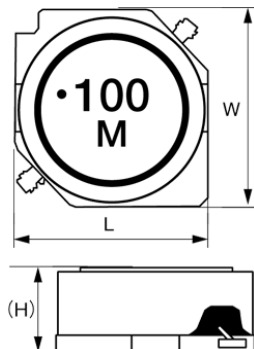


SMD Power Inductors (NS series)

NS12575T221MN



■ Features

- Item Summary
220 μ H($\pm 20\%$), 1.81A, 1.35A
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 2000pcs(500pcs*4reel)

■ Products characteristics table

| | |
|---|---------------------------|
| CaseSize (EIA/JIS) | ~/12575 |
| Inductance | 220 μ H($\pm 20\%$) |
| Inductance Measuring Frequency | 100kHz |
| Rated Current -Saturation Current | 1.81A |
| Rated Current -Temperature Rise Current | 1.35A |
| DC Resistance (max) | 0.294 Ω |
| Avg. of DC.Resistance | 0.245 Ω |
| Temperature Range | -40°C to 125°C |
| Self-resonant Frequency (min) | 2.9MHz |
| RoHS Compliance | Yes |
| Halogen Free | Yes |
| Soldering Method | Reflow |

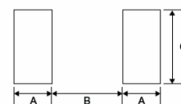
■ External Dimensions

| | |
|---|------------------|
| L | 12.5mm ± 0.3 |
| W | 12.5mm ± 0.3 |
| H | 7.5mm ± 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、お買い上げの際は、
 ・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