

SMD Power Inductors (NR series S type)

NRS5012T6R8MMGF



■ Features

- Item Summary
6.8 μ H ($\pm 20\%$), 1700mA, 1100mA
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 1000pcs

■ Products characteristics table

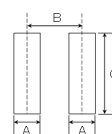
| | |
|---|----------------------------|
| CaseSize (EIA/JIS) | ~/5012 |
| Inductance | 6.8 μ H ($\pm 20\%$) |
| Inductance Measuring Frequency | 100kHz |
| Rated Current -Saturation Current | 1700mA |
| Rated Current -Temperature Rise Current | 1100mA |
| DC Resistance (max) | 0.312 Ω |
| Avg. of DC Resistance | 0.26 Ω |
| Temperature Range | -25°C to 125°C |
| Self-resonant Frequency (min) | 36MHz |
| RoHS Compliance | Yes |
| Halogen Free | Yes |
| Soldering Method | Reflow |

■ External Dimensions

| | |
|---|-----------------|
| L | 4.9mm ± 0.2 |
| W | 4.9mm ± 0.2 |
| H | 1.2mm max |

■ Recommended Land Patterns

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| 【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、 本製品のほんたひ付けはリフローはんだ工法に準じます。 |
| 【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 (NR series/NR series H type/S type /V type) | | | |
|---|-----|-----|---|
| Type | A | B | C |
| NRS5010 | | | |
| NRS5012 | | | |
| NRS5014 | | | |
| NRS5020 | 1.5 | 3.6 | 4 |
| NRS5024 | | | |
| NRS5030 | | | |
| NR 5040, NRS5040 | | | |

unit:mm