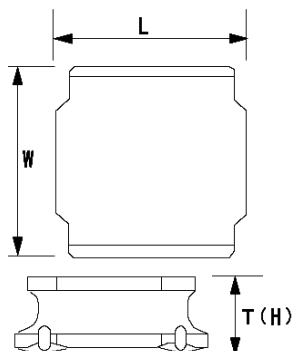


SMD Power Inductors (NR series S type)

NRS6045T6R3MMGK



■ Features

- Item Summary
6.3 μ H($\pm 20\%$), 3600mA, 3000mA
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping 1500pcs

■ Products characteristics table

| | |
|---|---------------------------|
| CaseSize (EIA/JIS) | -/6045 |
| Inductance | 6.3 μ H($\pm 20\%$) |
| Inductance Measuring Frequency | 100kHz |
| Rated Current -Saturation Current | 3600mA |
| Rated Current -Temperature Rise Current | 3000mA |
| DC Resistance (max) | 0.0468 Ω |
| Avg. of DC.Resistance | 0.036 Ω |
| Temperature Range | -25°C to 125°C |
| Self-resonant Frequency (min) | 15MHz |
| RoHS Compliance | Yes |
| Halogen Free | Yes |
| Soldering Method | Reflow |

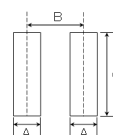
■ External Dimensions

| | |
|---|---------------|
| L | 6mm ± 0.2 |
| W | 6mm ± 0.2 |
| H | 4.5mm max |

■ 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ようお願いいたします。
・本製品のはんだ付けはリフローはんだ工法に限ります。

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



| Type | A | B | C |
|--------------------|-----|-----|-----|
| NRS601.0 | | | |
| NR 601.2, NRS601.2 | | | |
| NRS601.4 | 1.6 | 4.7 | 5.7 |
| NR 602.0, NRS602.0 | | | |
| NR 603.0, NRS603.0 | | | |
| NR 604.5, NRS604.5 | | | |

unit: mm

2014.03.06

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
Before making final selection, please check product specification.