

# SMD Power Inductors (NR series S type)

## NRS4010T100MDGG



### ■ Features

- Item Summary  
10  $\mu$ H( $\pm$ 20%), 620mA, 750mA
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping 5000pcs

### ■ Products characteristics table

|   |                        |
|---|------------------------|
| CaseSize (EIA/JIS)                      | ~/4010                 |
| Inductance                              | 10 $\mu$ H( $\pm$ 20%) |
| Inductance Measuring Frequency          | 100kHz                 |
| Rated Current -Saturation Current       | 620mA                  |
| Rated Current -Temperature Rise Current | 750mA                  |
| DC Resistance (max)                     | 0.36 $\Omega$          |
| Avg. of DC Resistance                   | 0.3 $\Omega$           |
| Temperature Range                       | -25°C to 125°C         |
| Self-resonant Frequency (min)           | 31MHz                  |
| RoHS Compliance                         | Yes                    |
| Halogen Free                            | Yes                    |
| Soldering Method                        | Reflow                 |

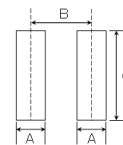
### ■ External Dimensions

|   |               |
|---|---------------|
| L | 4mm $\pm$ 0.2 |
| W | 4mm $\pm$ 0.2 |
| H | 1mm 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。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限り、  
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【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   |
|-------------------|-----|-----|-----|
| NR 4010, NRS4010, |     |     |     |
| NR 4012, NRS4012, | 1.2 | 2.8 | 3.7 |
| NR 4018, NRS4018  |     |     |     |

unit:mm