

SMD Semi-Shielded Power Inductor - SNR3012 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 100uH
- Rated current up to 2.2A
- Small and very Thin inductor

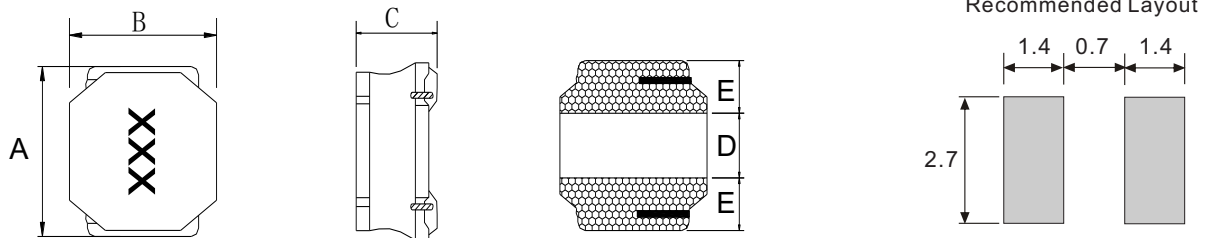
Application

- LED Lighting,
- Automotive systems,
- Notebooks, desktop computers, servers, graphic cards.

General Specifications

- Storage temp range: -40°C to +85°C
- Operating temp range: -40°C to +125°C
- Resistance to Soldering Heat +260°C for 5-10 Sec.

► Dimensions & Configurations (Unit:mm)



| Type | A | B | C | D | E |
|---------|---------|---------|--------|---------|---------|
| SNR3012 | 3.0±0.2 | 3.0±0.2 | 1.3Max | 1.2±0.2 | 0.9±0.2 |

► Electrical Characteristics For SNR3012 Series

| Part Number | Inductance [uH] | DCR(max) [mΩ] | Isat [A] (Max.) |
|--------------|-----------------|---------------|-----------------|
| SNR3012-1R0N | 1.0±30% | 60 | 2.20 |
| SNR3012-1R5N | 1.5±30% | 63 | 1.62 |
| SNR3012-2R2N | 2.2±30% | 105 | 1.20 |
| SNR3012-3R3M | 3.3±20% | 140 | 1.05 |
| SNR3012-4R7M | 4.7±20% | 168 | 0.90 |
| SNR3012-6R8M | 6.8±20% | 266 | 0.75 |
| SNR3012-100M | 10±20% | 358 | 0.60 |
| SNR3012-150M | 15±20% | 486 | 0.45 |
| SNR3012-220M | 22±20% | 872 | 0.42 |
| SNR3012-330M | 33±20% | 1182 | 0.36 |
| SNR3012-470M | 47±20% | 1485 | 0.27 |
| SNR3012-680M | 68±20% | 2255 | 0.24 |
| SNR3012-101M | 100±20% | 3861 | 0.21 |

- Inductance tested at 100kHz, 1.0Vrms, 0.0Adc
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 30% from its value without current