

SMD Semi-Shielded Power Inductor - SNR3010 Series *Meisongbei*



Features

- Magnetic-resin Shielded reduces noise
- Inductance Range: 1uH - 47uH
- Rated current up to 1.4A
- Small and very Thin inductor

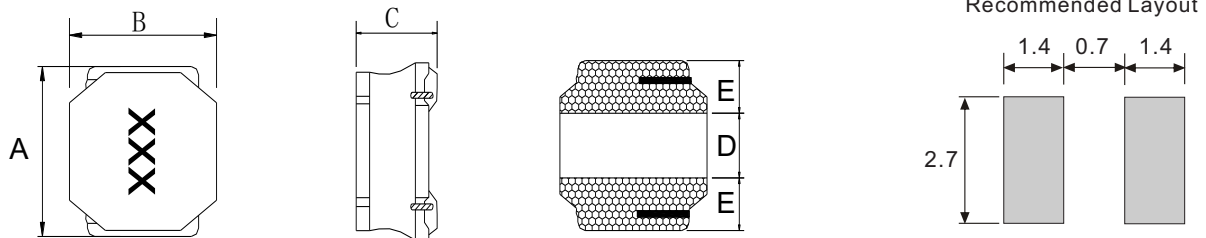
Application

- 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 |
|---------|---------|---------|--------|---------|---------|
| SNR3010 | 3.0±0.2 | 3.0±0.2 | 1.2Max | 1.2±0.2 | 0.9±0.2 |

► Electrical Characteristics For SNR3010 Series

| Part Number | Inductance [uH] | DCR(max) [mΩ] | Isat [A] (Max.) |
|--------------|-----------------|---------------|-----------------|
| SNR3010-1R0N | 1.0±30% | 85 | 1.40 |
| SNR3010-1R5N | 1.5±30% | 104 | 1.27 |
| SNR3010-2R2N | 2.2±30% | 143 | 1.15 |
| SNR3010-3R3M | 3.3±20% | 189 | 0.97 |
| SNR3010-4R7M | 4.7±20% | 293 | 0.75 |
| SNR3010-6R8M | 6.8±20% | 397 | 0.55 |
| SNR3010-100M | 10±20% | 520 | 0.55 |
| SNR3010-150M | 15±20% | 850 | 0.42 |
| SNR3010-220M | 22±20% | 1300 | 0.35 |
| SNR3010-330M | 33±20% | 2050 | 0.29 |
| SNR3010-470M | 47±20% | 2535 | 0.22 |

- 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