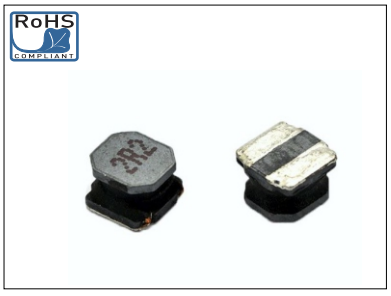
SMD Semi-Shielded Power Inductor - SNR3012 Series

Meisongbei



Features

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

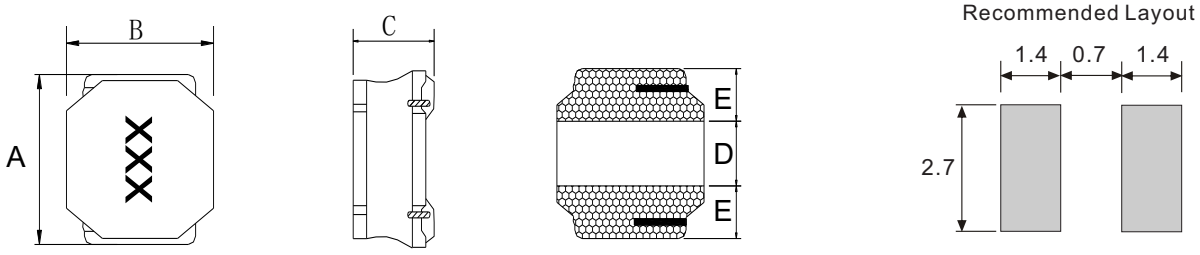
Application

- 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