SMD Large Current Power Inductor - SNH252012 Series

Meisongbei



Features

- 2.5mmx2.0mmx1.20mm Shielded
- Metal material core provides large saturation current
- Small and very Thin indcutor

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- RoHS Compliant and Halogen Free

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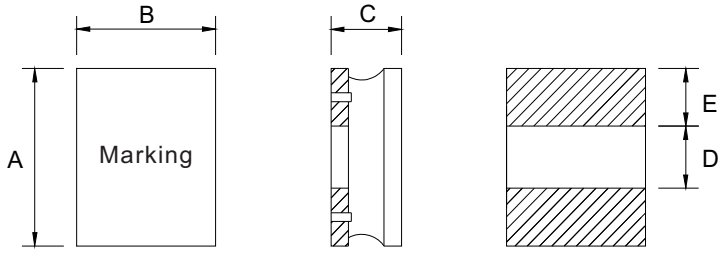
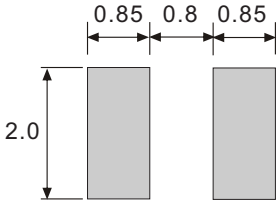
Application

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

Dimensions & Configurations (Unit:mm)



Recommended Layout



Type	A	B	C	D	E
SNH252012	2.5±0.2	2.0±0.2	1.20Max	0.8±0.2	0.85±0.2

Electrical Characteristics For SNH252012 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)	Irms [A] (Max.)
SNH252012-R24M	0.24±20%	23	6.50	4.05
SNH252012-R33M	0.33±20%	28	5.35	3.70
SNH252012-R47M	0.47±20%	35	4.90	3.45
SNH252012-R68M	0.68±20%	45	3.80	3.15
SNH252012-1R0M	1.0±20%	54	3.60	3.00
SNH252012-1R5M	1.5±20%	72	2.90	2.40
SNH252012-2R2M	2.2±20%	120	2.60	1.90
SNH252012-3R3M	3.3±20%	215	1.70	1.50
SNH252012-4R7M	4.7±20%	260	1.60	1.25
SNH252012-6R8M	6.8±20%	366	1.20	0.95
SNH252012-100M	10±20%	480	1.10	0.85

- Inductance tested at 100kHz, 0.25Vrms, 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