SMD Large Current Power Inductor - SNH252010 Series

Meisongbei



Features

- 2.5mmx2.0mmx1.05mm Shielded
- Inductance Range: 0.24uH - 10uH
- Current Range: 0.65A - 6.1A
- 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

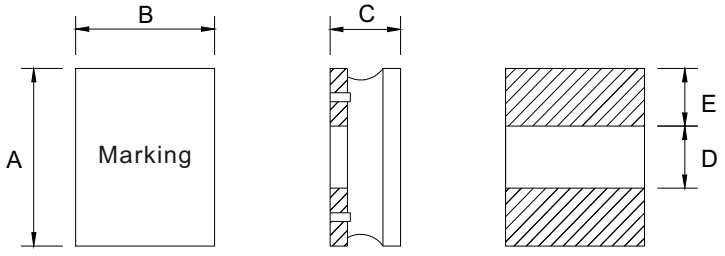
.

Application

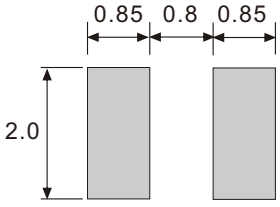
- LED Lighting,
- Automotive systems,
- Notebooks,desktop computers,servers,graphic cards.

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Dimensions & Configurations (Unit:mm)



Recommended Layout



Type	A	B	C	D	E
SNH252010	2.5±0.2	2.0±0.2	1.05Max	0.8±0.2	0.85±0.2

Electrical Characteristics For SNH252010 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)	Irms [A] (Max.)
SNH252010-R24M	0.24±20%	33	6.10	3.70
SNH252010-R33M	0.33±20%	39	4.80	3.50
SNH252010-R47M	0.47±20%	45	4.40	3.20
SNH252010-R68M	0.68±20%	59	3.20	2.75
SNH252010-1R0M	1.0±20%	85	3.10	2.20
SNH252010-1R5M	1.5±20%	106	2.60	2.00
SNH252010-2R2M	2.2±20%	155	1.90	1.50
SNH252010-3R3M	3.3±20%	235	1.60	1.20
SNH252010-4R7M	4.7±20%	290	1.30	1.00
SNH252010-6R8M	6.8±20%	480	1.00	0.95
SNH252010-100M	10±20%	740	0.90	0.65

- 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