SMD Large Current Power Inductor - SNH201610 Series

Meisongbei



Features

- 2.0mmx1.6mmx1.08mm 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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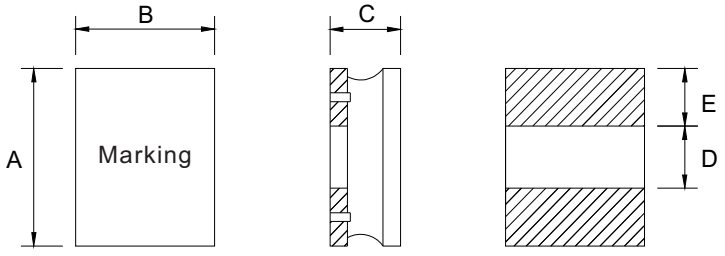
Application

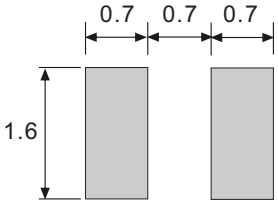
- LED Lighting,
- Automotive systems,
- Notebooks,desktop computers,servers,graphic cards.

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Dimensions & Configurations (Unit:mm)



Recommended Layout



Type	A	B	C	D	E
SNH201610	2.0±0.2	1.6±0.2	1.08Max	0.8±0.2	0.6±0.2

Electrical Characteristics For SNH201610 Series

Part Number	Inductance [uH]	DCR(max) [mΩ]	Isat [A] (Max.)	Irms [A] (Max.)
SNH201610-R24M	0.24±20%	40	4.50	3.00
SNH201610-R33M	0.33±20%	49	4.40	2.70
SNH201610-R47M	0.47±20%	49	4.06	2.70
SNH201610-R56M	0.56±20%	53	3.80	2.60
SNH201610-R68M	0.68±20%	65	3.50	2.50
SNH201610-1R0M	1.0±20%	95	3.30	2.00
SNH201610-1R5M	1.5±20%	130	1.95	1.70
SNH201610-2R2M	2.2±20%	180	1.90	1.40
SNH201610-3R3M	3.3±20%	307	1.40	1.10
SNH201610-4R7M	4.7±20%	425	1.10	0.90
SNH201610-6R8M	6.8±20%	620	0.95	0.70
SNH201610-8R2M	8.2±20%	870	0.86	0.66
SNH201610-100M	10±20%	875	0.80	0.60

- 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