

CMI-DSS252012NH-SERIES

Features

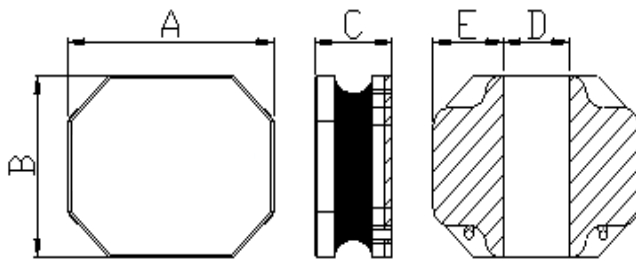
- ▶ Small and Low profile inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Takes up less PCB real estate and save more power
- ▶ Available tape and reel for auto insertion.
- ▶ RoHs compliant / Halogen-Free



Applications

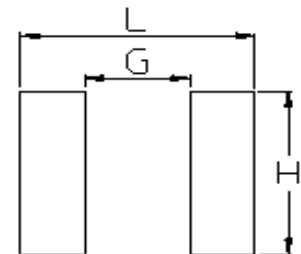
- ▶ For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

Dimension (Unit:mm)



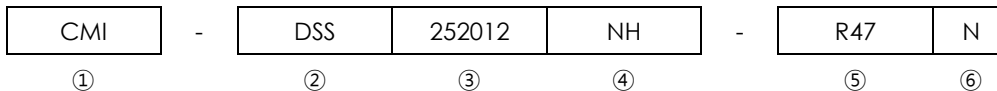
A	B	C	D	E
2.5±0.2	2.0±0.2	1.25 Max.	0.8±0.2	0.8±0.2

Land Pattern (Unit:mm)



L	G	H
2.5	0.8	2.0

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Drum core Square shape Silver paste power inductor
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Typical inductance value (0.47 uH)
- ⑥ Inductance tolerance (±30%)

• You can also contact us by e-mail : coilmaster@coilmaster.com

- All specifications are subject to change without notice
- Update date : 2022.08.26

Specifications

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	Isat (A) Max.	Irms (A) Max.	Test Frequency (Hz)
CMI-DSS252012NH-R47N	0.47	30%	61	3.82	2.15	1M
CMI-DSS252012NH-R68N	0.68	30%	74	3.28	1.95	1M
CMI-DSS252012NH-1R0N	1.0	30%	90	2.59	1.93	1M
CMI-DSS252012NH-1R5N	1.5	30%	147	2.24	1.40	1M
CMI-DSS252012NH-2R2N	2.2	30%	216	1.85	1.15	1M
CMI-DSS252012NH-3R3M	3.3	20%	264	1.61	1.04	1M
CMI-DSS252012NH-4R7M	4.7	20%	377	1.12	0.84	1M
CMI-DSS252012NH-5R6M	5.6	20%	538	1.11	0.73	1M
CMI-DSS252012NH-6R8M	6.8	20%	581	0.98	0.69	1M
CMI-DSS252012NH-100M	10	20%	690	0.79	0.62	1M
CMI-DSS252012NH-150M	15	20%	1591	0.68	0.42	1M
CMI-DSS252012NH-220M	22	20%	1976	0.53	0.38	1M

- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Irms: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating Temperature Range(including self temperature) : -40°C ~ +125°C

Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application

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