

CMI-DSS252010NH-SERIES



Features

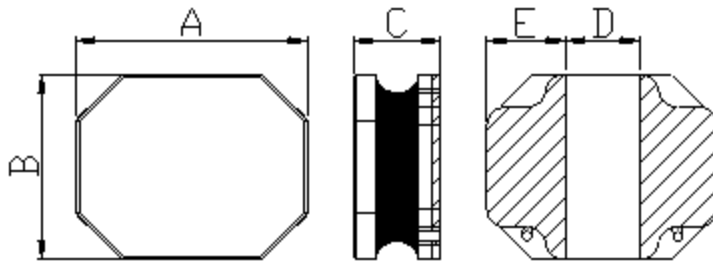
- ▶ Small and Low profile inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Takes up less PCB real estate and save more power
- ▶ Available tape and reel for auto insertion.
- ▶ RoHs compliant
- ▶ Halogen-Free



Applications

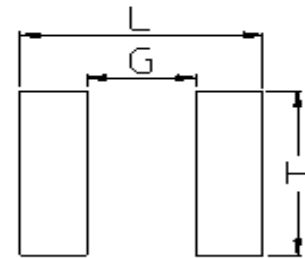
- ▶ For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

Dimension (Unit:mm)



A	B	C	D	E
2.5±0.2	2.0±0.2	1.0 Max.	0.8±0.2	0.8±0.2

Land Pattern (Unit:mm)



L	G	H
2.5	0.8	2.0

Specifications

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	I _{sat} (A) Max.	I _{temp} (A) Max.	Test Frequency (Hz)
CMI-DSS252010NH-1R0N	1.0	30%	93	1.98	1.98	1M
CMI-DSS252010NH-1R5N	1.5	30%	148	1.71	1.62	1M
CMI-DSS252010NH-2R2N	2.2	30%	178	1.45	1.51	1M
CMI-DSS252010NH-3R3M	3.3	20%	286	1.09	1.20	1M
CMI-DSS252010NH-4R7M	4.7	20%	421	0.93	0.91	1M
CMI-DSS252010NH-5R6M	5.6	20%	481	0.82	0.84	1M
CMI-DSS252010NH-6R8M	6.8	20%	598	0.81	0.79	1M
CMI-DSS252010NH-100M	10	20%	797	0.66	0.73	1M
CMI-DSS252010NH-150M	15	20%	1450	0.46	0.36	1M
CMI-DSS252010NH-220M	22	20%	1839	0.45	0.30	1M

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

- All specifications are subject to change without notice
- Update date : 2017.01.09

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	Isat (A) Max.	Itemp (A) Max.	SRF (Min) (MHz)

- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Itemp: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating Temperature Range (including self temperature) : -25°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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