

# CMI-DSS3015NH-SERIES



## Features

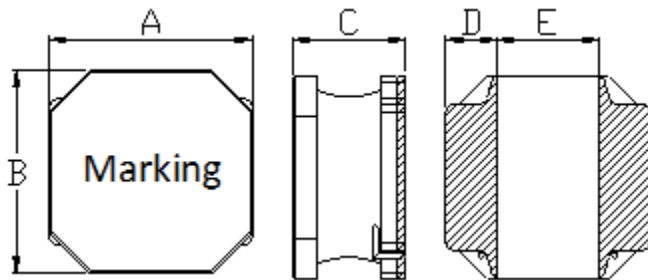
- ▶ Small and Low profile inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Takes up less PCB real estate and save more power
- ▶ Available tape and reel for auto insertion.
- ▶ RoHs compliant
- ▶ Halogen-Free



## Applications

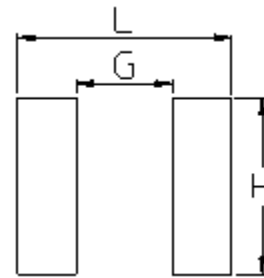
- ▶ For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

Dimension (Unit:mm)



A	B	C	D	E
3.0±0.2	3.0±0.2	1.5 Max.	0.75±0.2	1.5±0.2

Land Pattern (Unit:mm)



L	G	H
3.1	1.5	2.7

## Specifications

Part Number	Inductance (µH)	Tolerance (±)	DCR (mΩ) ±30%	Isat (A) Max.	Itemp (A) Max.	Test Frequency (Hz)
CMI-DSS3015NH-1R0N	1.0	30%	39	2.32	2.35	100k
CMI-DSS3015NH-1R2N	1.2	30%	40	2.21	1.95	100k
CMI-DSS3015NH-1R5N	1.5	30%	50	2.00	1.70	100k
CMI-DSS3015NH-1R8N	1.8	30%	50	1.75	1.70	100k
CMI-DSS3015NH-2R2N	2.2	30%	60	1.60	1.60	100k
CMI-DSS3015NH-3R3M	3.3	20%	80	1.32	1.36	100k
CMI-DSS3015NH-4R7M	4.7	20%	125	1.10	1.09	100k
CMI-DSS3015NH-6R8M	6.8	20%	200	0.85	0.85	100k
CMI-DSS3015NH-100M	10	20%	250	0.72	0.77	100k
CMI-DSS3015NH-120M	12	20%	320	0.70	0.68	100k

• You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)

- All specifications are subject to change without notice
- Update date : 2021.12.10

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	I <sub>sat</sub> (A) Max.	I <sub>temp</sub> (A) Max.	Test Frequency (Hz)
CMI-DSS3015NH-150M	15	20%	350	0.66	0.65	100k
CMI-DSS3015NH-180M	18	20%	430	0.56	0.59	100k
CMI-DSS3015NH-220M	22	20%	460	0.52	0.57	100k
CMI-DSS3015NH-330M	33	20%	820	0.44	0.43	100k
CMI-DSS3015NH-470M	47	20%	1250	0.35	0.35	100k
CMI-DSS3015NH-101M	100	20%	3000	0.20	0.26	100k

- I<sub>sat</sub>: When based on the inductance change rate (approximately 30% below in the initial value)
- I<sub>temp</sub>: 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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