

# CMI-DP5030NH-SERIES



## Features

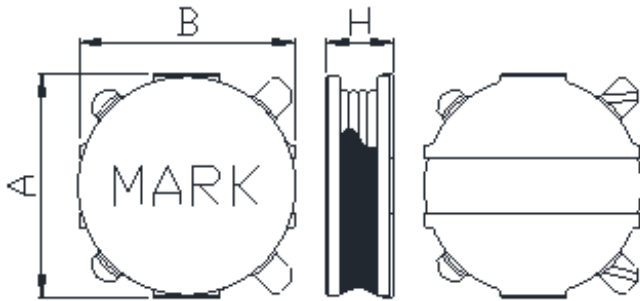
- ▶ SMD inductor.
- ▶ Resin shielded construction.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

## Applications

- ▶ For small DC/DC converter (LCD/LED/OLED display, HDD, DSC etc).
- ▶ For Power supply circuits.

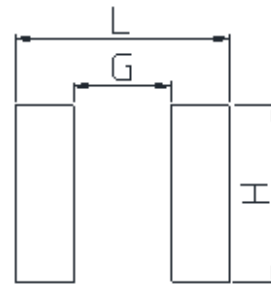


Dimension (Unit:mm)



A	B	H
5.0±0.2	5.0±0.2	3.0Max

Land Pattern (Unit:mm)



L	G	H
5.10	2.30	4.20

## Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DP5030NH-R47M	0.47	20%	10	9.00	5.00	100k
CMI-DP5030NH-1R0M	1.0	20%	15	6.60	4.00	100k
CMI-DP5030NH-2R2M	2.2	20%	23	4.20	3.50	100k
CMI-DP5030NH-3R3M	3.3	20%	30	3.60	3.00	100k
CMI-DP5030NH-4R7M	4.7	20%	35	3.10	2.60	100k
CMI-DP5030NH-6R8M	6.8	20%	52	2.50	2.30	100k
CMI-DP5030NH-100M	10	20%	70	2.10	1.70	100k
CMI-DP5030NH-150M	15	20%	125	1.60	1.40	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 : 2015.11.19

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DP5030NH-220M	22	20%	180	1.40	1.20	100k

- Isat: When based on the inductance change rate (approximately 20% below in the initial value)
- Itemp: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating temperature range : -40°C ~ +125°C ( Including self-heating)

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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