

CMI-DP8040NH-SERIES



Features

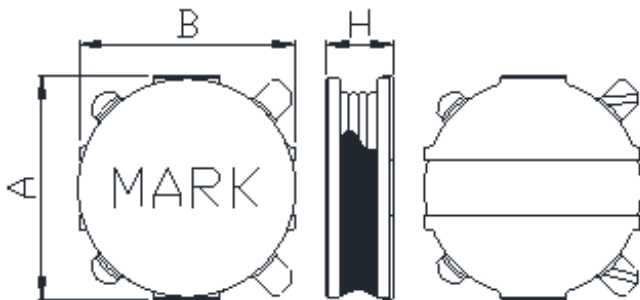
- ▶ SMD inductor.
- ▶ Resin shielded construction.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

Applications

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

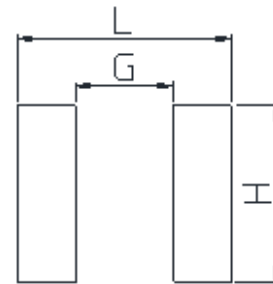


Dimension (Unit:mm)



A	B	H
8.0±0.2	8.0±0.2	4.0Max

Land Pattern (Unit:mm)



L	G	H
8.20	3.80	7.50

Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DP8040NH-1R0M	1.0	20%	8	10.0	8.20	100k
CMI-DP8040NH-2R2M	2.2	20%	12	7.50	6.80	100k
CMI-DP8040NH-4R7M	4.7	20%	19	6.00	6.20	100k
CMI-DP8040NH-6R8M	6.8	20%	26	5.10	5.50	100k
CMI-DP8040NH-100M	10	20%	29	3.60	3.50	100k
CMI-DP8040NH-150M	15	20%	47	3.10	3.20	100k
CMI-DP8040NH-220M	22	20%	66	2.40	2.20	100k
CMI-DP8040NH-470M	47	20%	136	2.00	1.70	100k

- You can also contact us by e-mail : 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-DP8040NH-680M	68	20%	196	1.50	1.30	100k
CMI-DP8040NH-271M	270	20%	750	0.75	0.75	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

Ilsan Sales Office (KOREA)	+82)31-904-1444	H.K Sales Office (HONGKONG)	+852)2711-5551
Shenzhen Sales Office (CHINA)	+86)755-8663-6929	LA Sales Office (USA)	+1)866-446-3586
Hungary Sales office (EUROPE)	+36)30-913-7706		

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