

CMI-DOP5020NH-SERIES

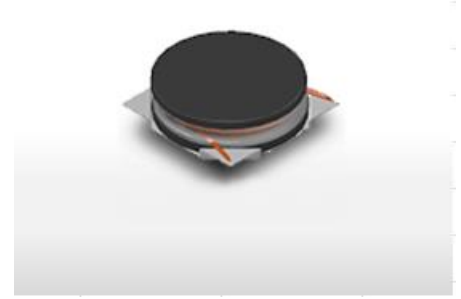


Features

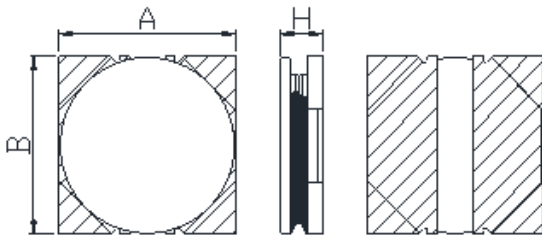
- ▶ Small and Low profile inductor.
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

Applications

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

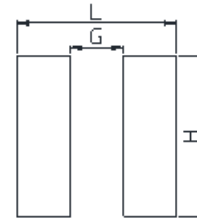


Dimension (Unit:mm)



A	B	H
5.0±0.2	5.0±0.2	2.0Max

Land Pattern (Unit:mm)



L	G	H
5.2	1.1	5.2

Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DOP5020NH-1R0N	1.0	30%	33	5.50	3.90	1M
CMI-DOP5020NH-2R2N	2.2	30%	40	4.00	2.90	1M
CMI-DOP5020NH-3R3N	3.3	30%	53	3.50	2.50	1M
CMI-DOP5020NH-4R7N	4.7	30%	80	2.60	2.00	1M
CMI-DOP5020NH-6R8N	6.8	30%	101	2.40	2.00	1M
CMI-DOP5020NH-100M	10	20%	147	1.90	1.50	1M
CMI-DOP5020NH-150M	15	20%	227	1.50	1.20	1M
CMI-DOP5020NH-220M	22	20%	302	1.30	1.10	1M
CMI-DOP5020NH-330M	33	20%	467	1.10	0.84	1M

- 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)

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

- All specifications are subject to change without notice.
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