

CMI-DOP4018NH-SERIES

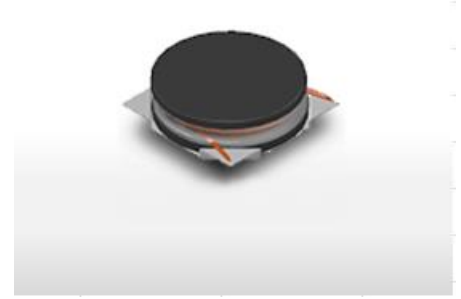


Features

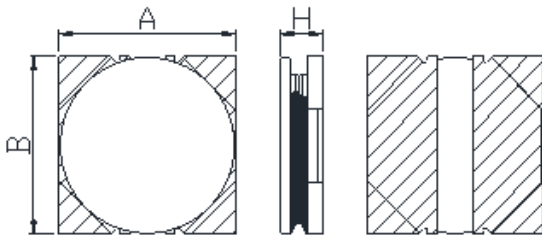
- ▶ Small and Low profile inductor.
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

Applications

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

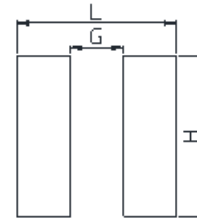


Dimension (Unit:mm)



A	B	H
4.0±0.2	4.0±0.2	1.8Max

Land Pattern (Unit:mm)



L	G	H
4.2	0.9	4.2

Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DOP4018NH-R50N	0.5	30%	19	5.80	5.40	1M
CMI-DOP4018NH-1R0N	1.0	30%	22	3.90	3.00	1M
CMI-DOP4018NH-2R2N	2.2	30%	42	3.00	2.60	1M
CMI-DOP4018NH-3R3N	3.3	30%	64	2.40	2.20	1M
CMI-DOP4018NH-4R7N	4.7	30%	80	2.10	1.90	1M
CMI-DOP4018NH-6R8N	6.8	30%	106	1.70	1.60	1M
CMI-DOP4018NH-100M	10	20%	160	1.40	1.30	1M
CMI-DOP4018NH-220M	22	20%	347	0.92	0.90	1M
CMI-DOP4018NH-330M	33	20%	513	0.78	0.73	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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