

# CMI-DOP3010NH-SERIES

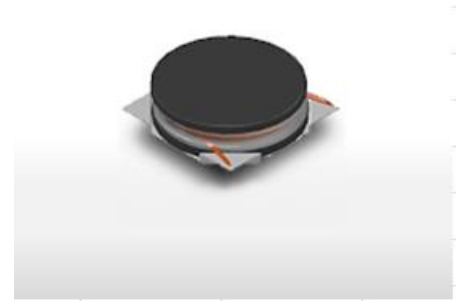


## Features

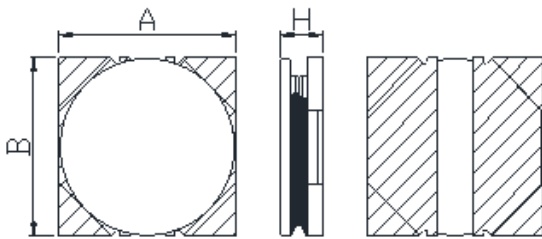
- ▶ Small and Low profile inductor.
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

## Applications

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

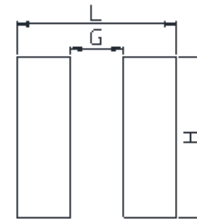


**Dimension (Unit:mm)**



A	B	H
3.0±0.2	3.0±0.2	1.0Max

**Land Pattern (Unit:mm)**



L	G	H
3.2	0.7	3.2

## Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DOP3010NH-1R0N	1.0	30%	55	2.20	2.20	1M
CMI-DOP3010NH-2R2N	2.2	30%	100	1.70	1.70	1M
CMI-DOP3010NH-3R3N	3.3	30%	155	1.30	1.30	1M
CMI-DOP3010NH-4R7N	4.7	30%	200	1.20	1.10	1M
CMI-DOP3010NH-6R8N	6.8	30%	280	0.91	0.92	1M
CMI-DOP3010NH-100M	10	20%	460	0.73	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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- All specifications are subject to change without notice.
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