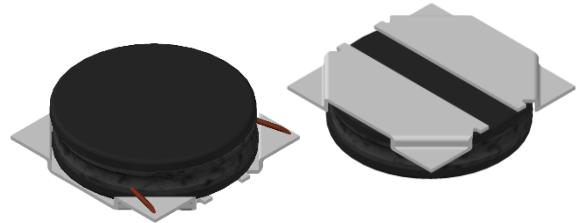


CMI-DOP5030NH-SERIES

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

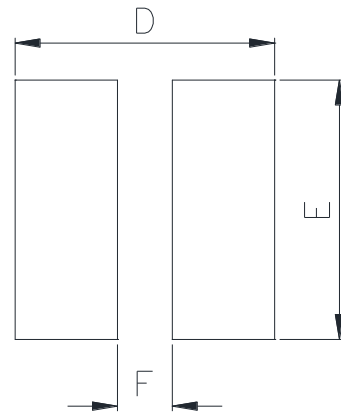
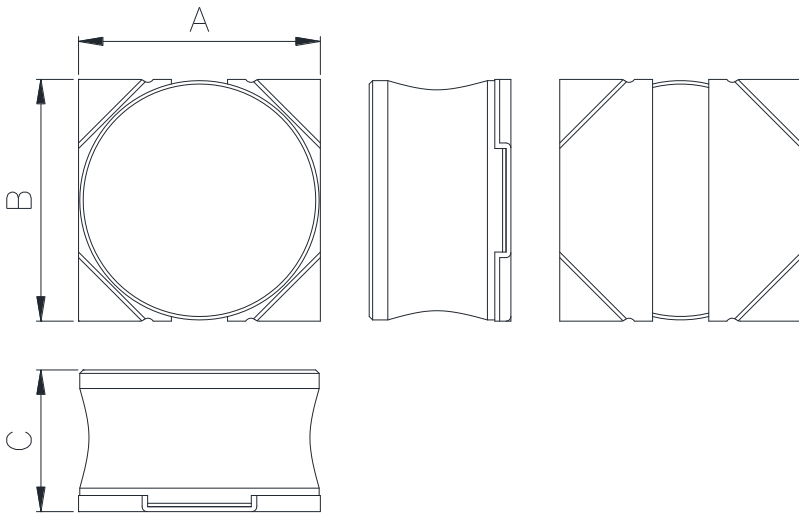


Applications

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

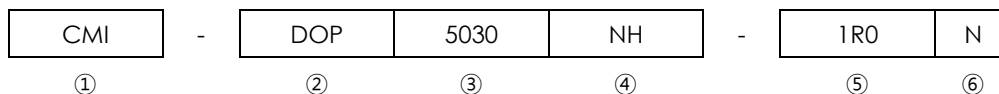
Dimension (Unit:mm)

Land Pattern (Unit:mm)



A	B	C	D	E	F
5.0 ±0.2	5.0 ±0.2	3.0 Max.	5.2	5.2	1.1

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Dream Of Power inductor
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Typical inductance value (1.0uH)
- ⑥ Inductance tolerance ($\pm 30\%$)

Specifications

Part Number	Inductance (uH)	Tolerance (\pm)	DCR (mohm) $\pm 20\%$	Isat(A) Max.	Itemp(A) Max.	Test Frequency (Hz)
CMI-DOP5030NH-1R0N	1.0	30%	22	5.70	4.30	1M
CMI-DOP5030NH-1R5N	1.5	30%	27	5.10	4.00	1M
CMI-DOP5030NH-1R8N	1.8	30%	28	4.50	3.90	1M
CMI-DOP5030NH-2R2N	2.2	30%	32	3.90	3.50	1M
CMI-DOP5030NH-3R3N	3.3	30%	35	3.50	3.40	1M
CMI-DOP5030NH-4R7N	4.7	30%	51	2.80	2.60	1M
CMI-DOP5030NH-6R8N	6.8	30%	64	2.40	2.30	1M
CMI-DOP5030NH-100M	10	20%	96	1.90	1.90	1M
CMI-DOP5030NH-220M	22	20%	190	1.30	1.40	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.
- Update date : 2015.11.09

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