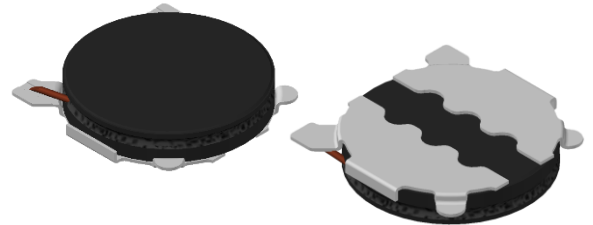


CMI-DP6010NH-SERIES

Features

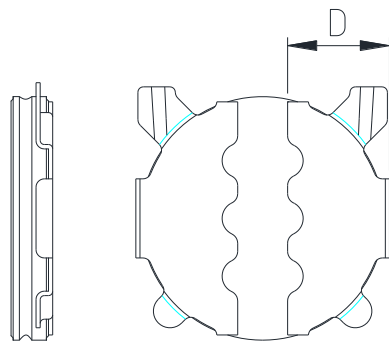
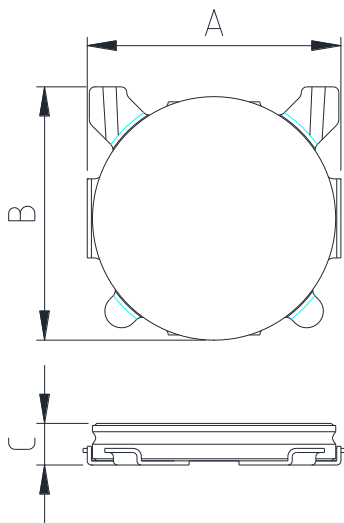
- ▶ SMD inductor.
- ▶ Resin shielded construction.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free



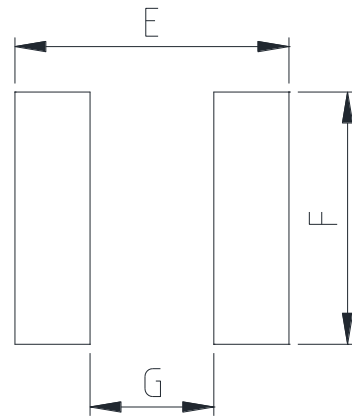
Applications

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

Dimension (Unit:mm)

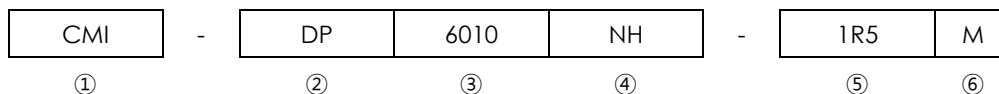


Land Pattern (Unit:mm)



A	B	C	D	E	F	G
6.0 ± 0.2	6.0 ± 0.2	1.0 Max.	2.45 ± 0.2	6.2	5.7	2.8

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Drum core Pin type Power inductor
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Typical inductance value (1.5uH)
- ⑥ Inductance tolerance (±20%)

Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) ±20%	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DP6010NH-1R5M	1.5	20%	90	2.40	1.90	100k
CMI-DP6010NH-2R2M	2.2	20%	110	1.90	1.70	100k
CMI-DP6010NH-3R3M	3.3	20%	135	1.60	1.50	100k
CMI-DP6010NH-4R7M	4.7	20%	165	1.40	1.40	100k
CMI-DP6010NH-6R8M	6.8	20%	220	1.20	1.20	100k
CMI-DP6010NH-100M	10	20%	270	1.10	1.10	100k
CMI-DP6010NH-220M	22	20%	580	0.70	0.70	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

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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 : 2015.11.19

www.coilmaster.com