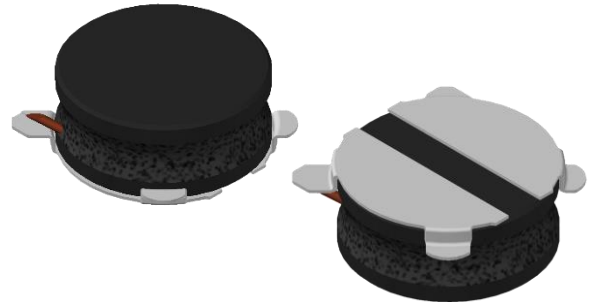


CMI-DP6028NH-SERIES

Features

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

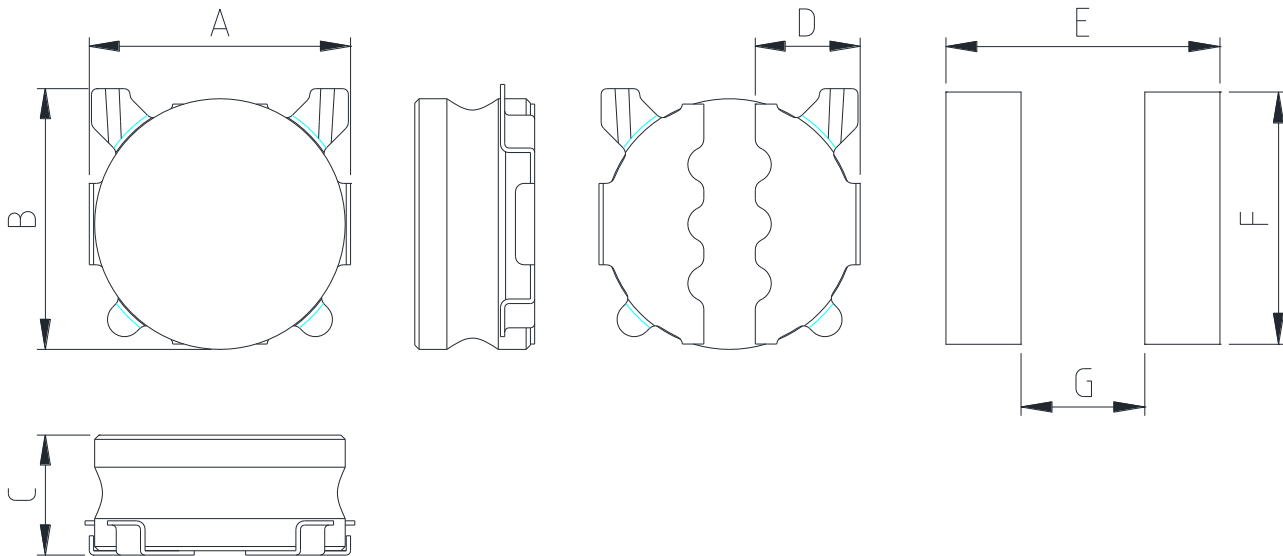


Applications

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

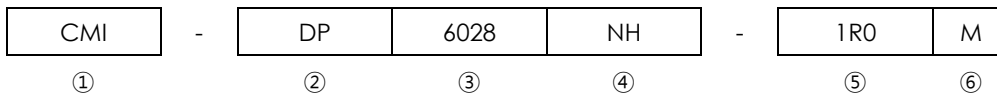
Dimension (Unit:mm)

Land Pattern (Unit:mm)



A	B	C	D	E	F	G
6.0 ±0.2	6.0 ±0.2	2.8 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 (1.0uH)
- ⑥ Inductance tolerance ($\pm 20\%$)

Specifications

Part Number	Inductance (uH)	Tolerance (\pm)	DCR (mohm) $\pm 20\%$	Isat(A) Max	Itemp(A) Max	Test Frequency (Hz)
CMI-DP6028NH-1R0M	1.0	20%	10	6.50	5.20	100k
CMI-DP6028NH-2R2M	2.2	20%	20	5.10	3.80	100k
CMI-DP6028NH-4R7M	4.7	20%	30	3.20	3.10	100k
CMI-DP6028NH-6R8M	6.8	20%	47	2.60	2.40	100k
CMI-DP6028NH-100M	10	20%	72	2.10	2.00	100k
CMI-DP6028NH-220M	22	20%	135	1.50	1.45	100k
CMI-DP6028NH-330M	33	20%	185	1.35	1.22	100k
CMI-DP6028NH-470M	47	20%	315	1.15	1.06	100k
CMI-DP6028NH-680M	68	20%	360	0.85	0.85	100k
CMI-DP6028NH-101M	100	20%	500	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