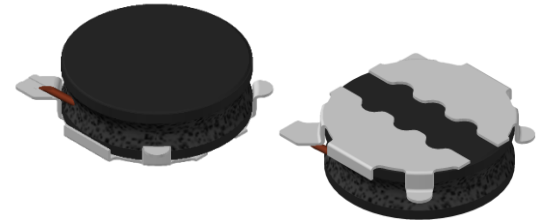


# CMI-DP6020NH-SERIES

## Features

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

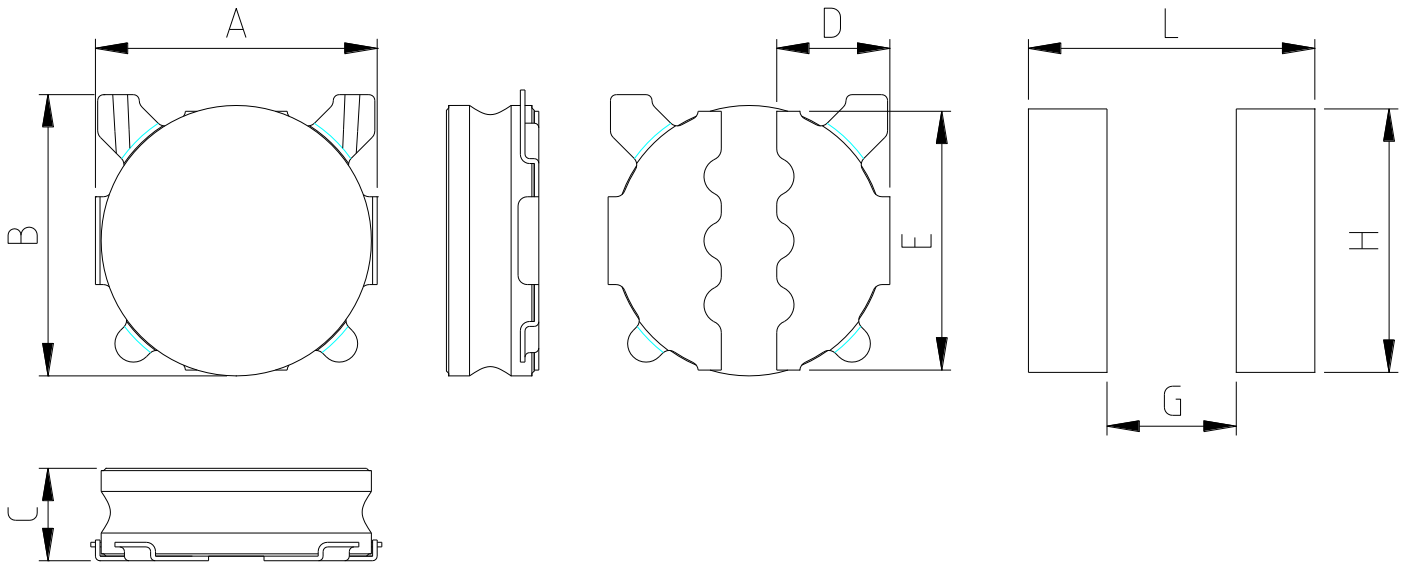


## Applications

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

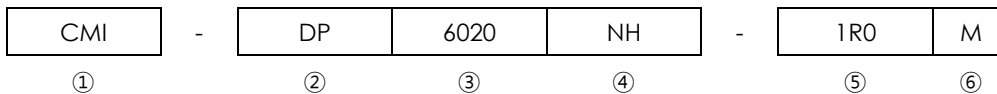
## Dimension (Unit:mm)

## Land Pattern (Unit:mm)



A	B	C	D	E	G	H	L
6.0 ±0.2	6.0 ±0.2	2.0 Max.	2.45 ±0.2	5.6 ±0.2	2.8	5.7	6.2

## 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 (±20%)

## Specifications

Part Number	Inductance (uH)	Tolerance (±)	DCR (mohm) Max.(Typ.)	Isat(A) Max.	Itemp(A) Max.	Test Frequency (Hz)
CMI-DP6020NH-1R0M	1.0	20%	24(20)	5.10	3.80	100k
CMI-DP6020NH-1R5M	1.5	20%	31.2(26)	4.30	3.60	100k
CMI-DP6020NH-2R2M	2.2	20%	33.6(28)	3.80	2.90	100k
CMI-DP6020NH-3R3M	3.3	20%	42(35)	3.20	2.60	100k
CMI-DP6020NH-4R7M	4.7	20%	69.6(58)	2.70	2.10	100k
CMI-DP6020NH-6R8M	6.8	20%	96(80)	2.20	1.80	100k
CMI-DP6020NH-100M	10	20%	126(105)	1.90	1.50	100k
CMI-DP6020NH-220M	22	20%	252(210)	1.20	1.00	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(including self temperature) : -40°C ~ +125 °C

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.

---

Korea Sales Office (KOREA)	+82)31-904-1444	H.K Sales Office (HONGKONG)	+852)2711-5551
China Sales Office (CHINA)	+86)0758-683-1444	LA Sales Office (USA)	+1)714-616-6989
Hungary Sales office (EUROPE)	+36)1-404-5832		

▪ You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)

- All specifications are subject to change without notice.
- Update date : 2015.11.19

[www.coilmaster.com](http://www.coilmaster.com)