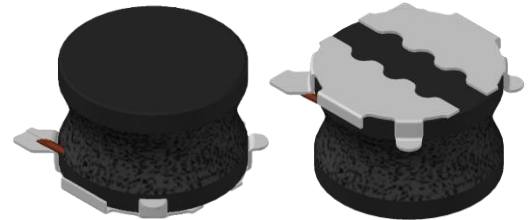


# CMI-DP6040NH-SERIES

## Features

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

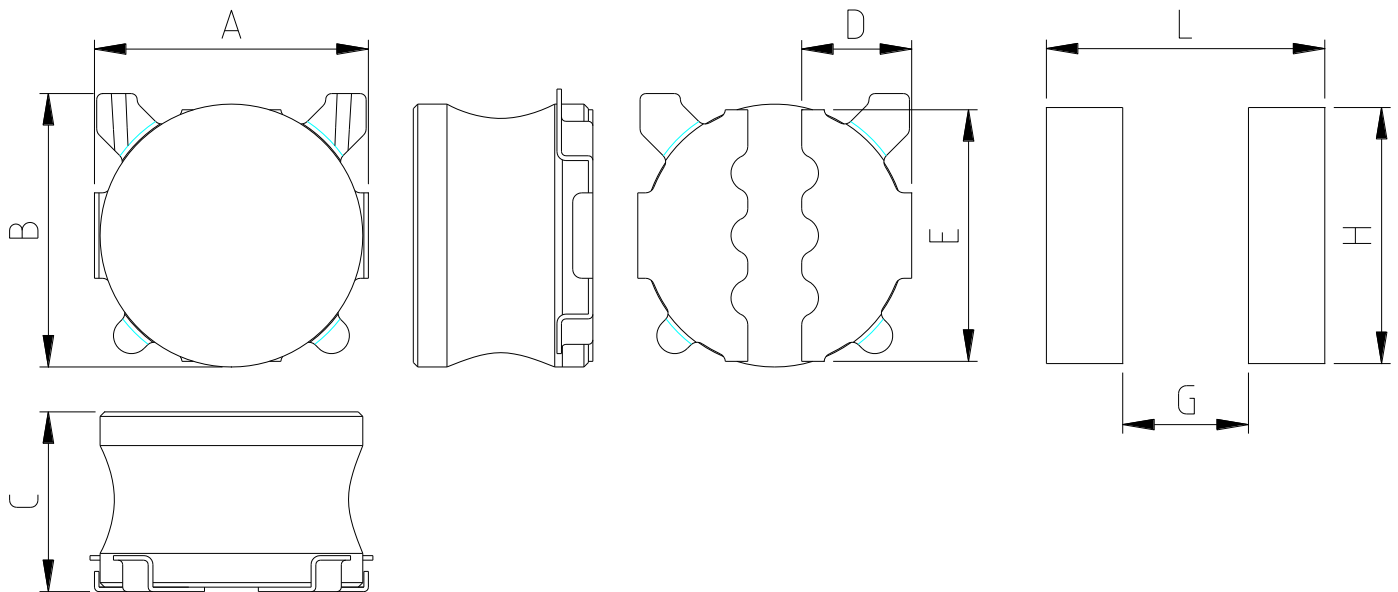


## Applications

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

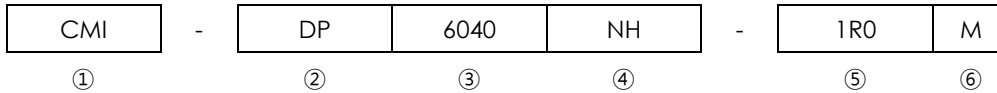
## Dimension (Unit:mm)

## Land Pattern (Unit:mm)



A	B	C	D	E	G	H	L
6.0 ±0.2	6.0 ±0.2	4.0 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-DP6040NH-1R0M	1.0	20%	9.6(8.0)	9.00	6.30	100k
CMI-DP6040NH-100M	10	20%	57.6(48)	3.20	2.50	100k
CMI-DP6040NH-150M	15	20%	117.6(98)	2.80	2.20	100k
CMI-DP6040NH-220M	22	20%	106.8(89)	2.05	1.80	100k
CMI-DP6040NH-330M	33	20%	162(135)	1.65	1.45	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.

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- All specifications are subject to change without notice.
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