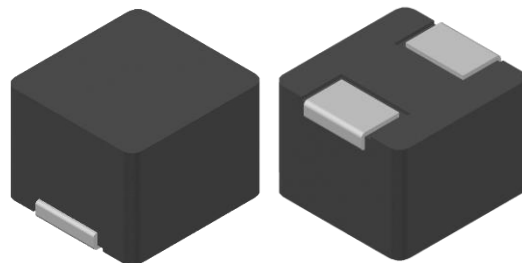


# CMI-CMMPP6050LH-N SERIES

## Features

- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.

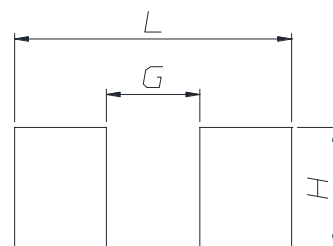
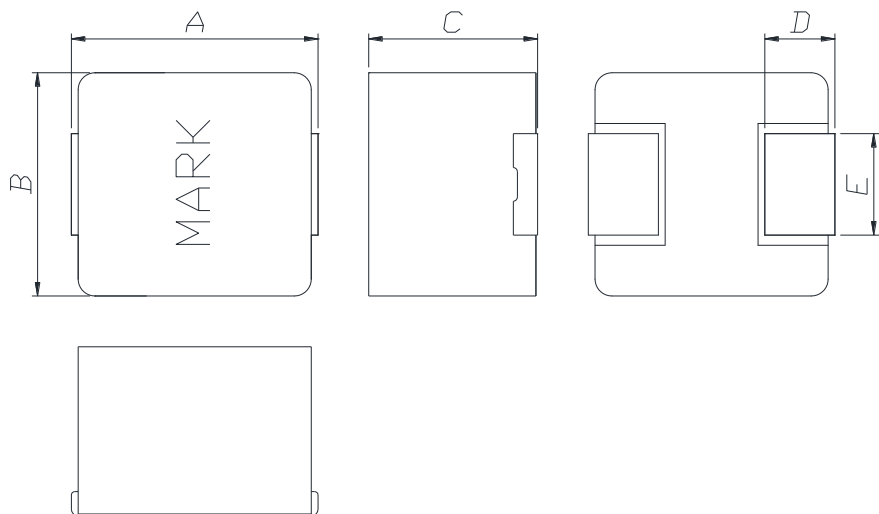


## Applications

- ▶ Equipment using for automobiles (ECM, Airbags, Headlights, Electronic Power steering, Motors, ABS, other)

## Dimension (Unit:mm)

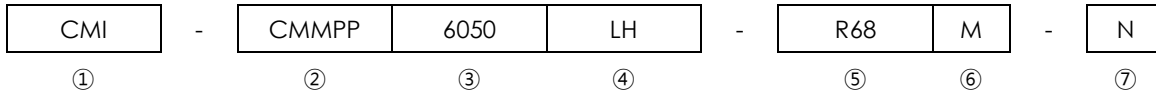
## Land Pattern (Unit:mm)



A	B	C	D	E
6.95 ±0.45	6.6 ±0.25	5.0 Max.	1.8 ±0.3	3.0 ±0.3

L	G	H
8.0	3.7	3.5

## Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Magic Material Pin type Power inductor
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (0.68uH)
- ⑥ Inductance tolerance ( $\pm 20\%$ )
- ⑦ Revision (N)

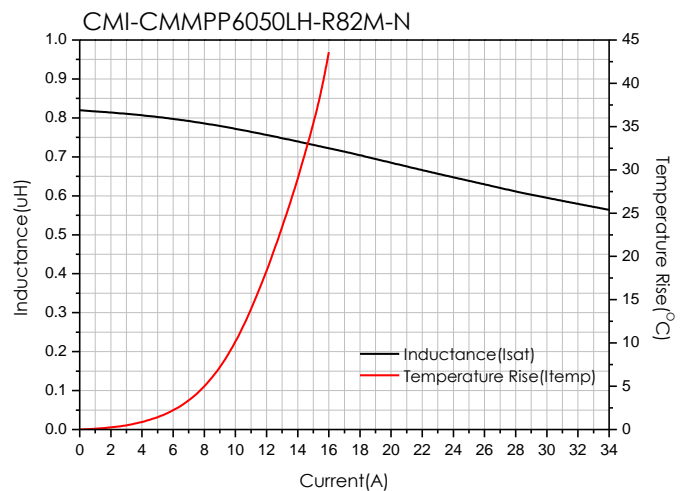
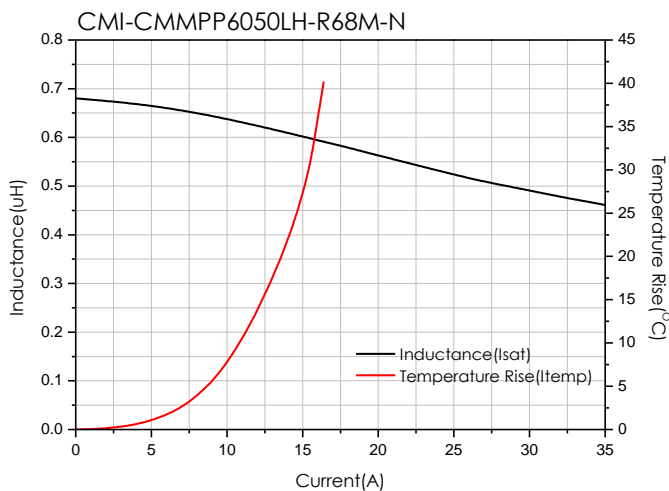
## Specifications

Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-CMMPP6050LH-R68M-N	0.68	4.8(4.0)	22.0(27.0)	14.2(14.7)	1M
CMI-CMMPP6050LH-R82M-N	0.82	7.2(6.0)	21.0(26.0)	14.0(14.5)	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)
- Operating Temperature Range (including self temperature) : -40°C ~ +165 °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.

## Electrical characteristics



- 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 : 2020.09.28

## Packaging

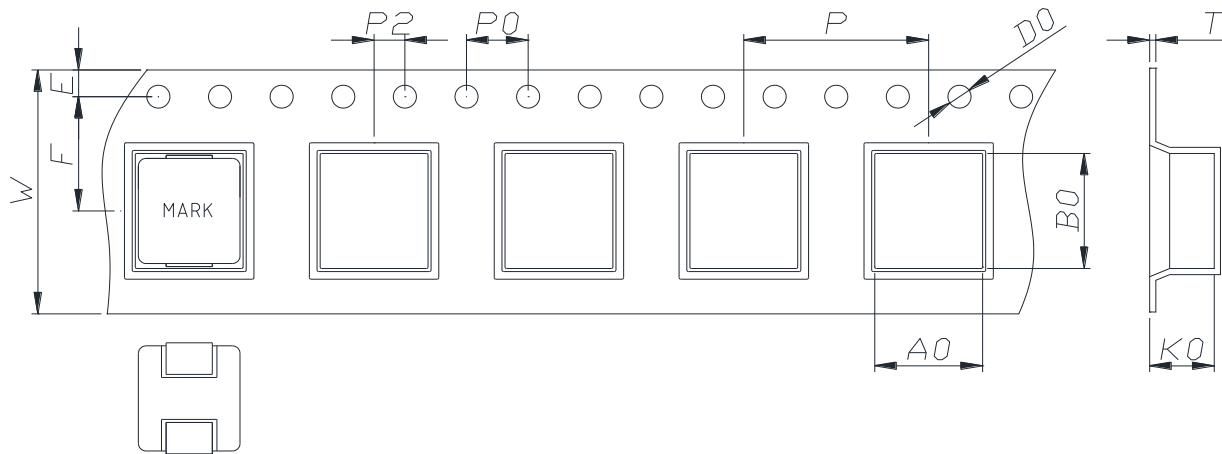
(1) Package quantity : 700 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
16.50	100.0	2.00	330.0	1.90	21.00	13.00
+1.00	+1.50	+0.10	+1.00	+0.40	+0.40	+0.40
-1.00	-1.50	-0.10	-1.00	-0.40	-0.40	-0.40

(3) Tape Dimensions



W	A0	B0	K0	E	F	P	P0	P2	D0	T
16.00	7.00	7.60	5.40	1.75	7.50	12.00	4.00	2.00	1.50	0.40
+0.30	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.05
-0.10	-0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

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