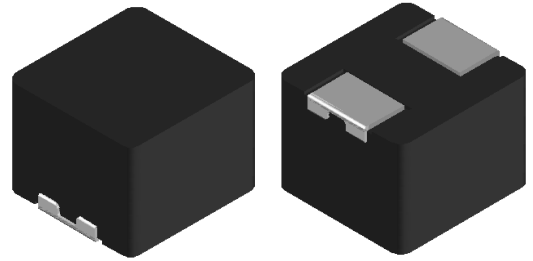


# CMI-MMPP6050LH-N SERIES

## Features

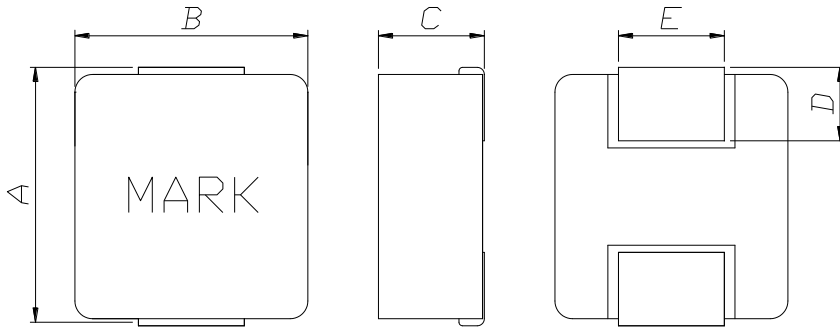
- ▶ High current and low profile
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free / RoHS compliant.



## Applications

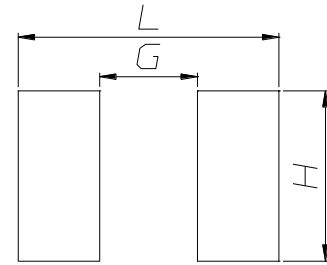
- ▶ For DC/DC converter, AV equipment digital consumer electronics

**Dimension (Unit:mm)**



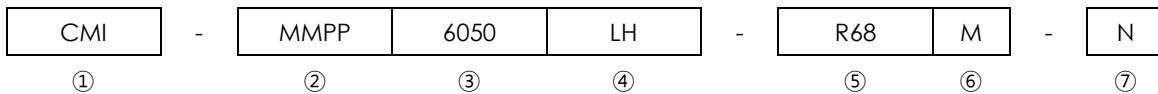
A	B	C	D	E
6.95±0.45	6.6±0.25	5.0 Max	1.8±0.3	3.0±0.3

**Land Pattern (Unit:mm)**



L	G	H
8.4	3.7	3.5

## Regulation of part number



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

• 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

## Specifications

Part Number	Inductance (uH) ±20%	DCR(mohm) Max(Typ)	IDC1(A) Max(Typ)	IDC2(A) Max(Typ)	Test Frequency (Hz)
CMI-MMPP6050LH-R68M-N	0.68	4.8(4.0)	22.00(27.00)	14.20(14.70)	1M
CMI-MMPP6050LH-R82M-N	0.82	7.2(6.0)	21.00(26.00)	14.00(14.50)	1M

- IDC1: When based on the inductance change rate (approximately 30% below in the initial value)
- IDC2: 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.