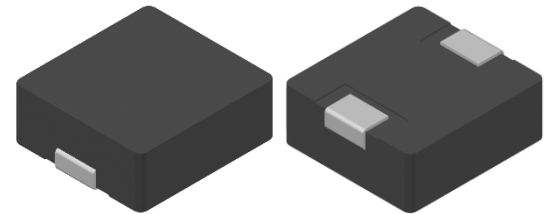


# CMI-MMPP10040LH-SERIES

## Features

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

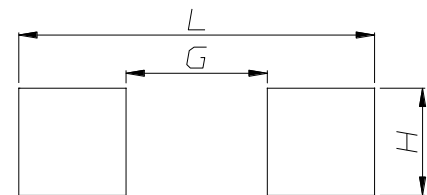
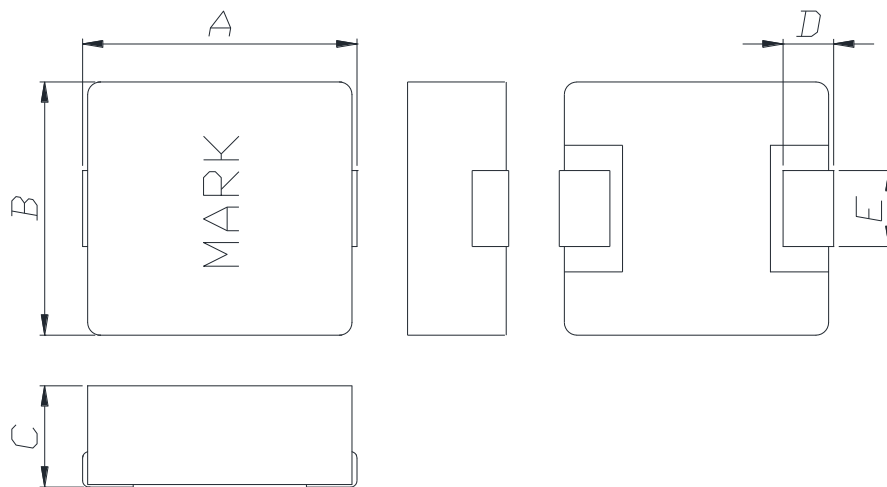


## Applications

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

## Dimension (Unit:mm)

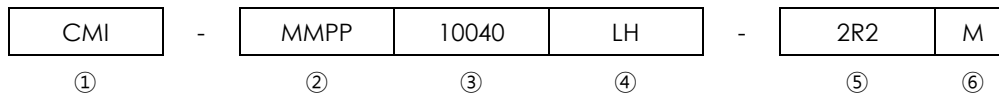
## Land Pattern (Unit:mm)



A	B	C	D	E
10.85 ±0.5	10.0 ±0.4	4.0 Max.	2.0 ±0.3	3.0 ±0.2

L	G	H
13.6	5.4	4.1

## Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Metal Molded Pin type Power inductor
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (2.2uH)
- ⑥ Inductance tolerance ( $\pm 20\%$ )

## Specifications

Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-MMPP10040LH-2R2M	2.2	10.8(9)	25.0(28.0)	13.0(14.0)	1M
CMI-MMPP10040LH-3R3M	3.3	12.6(10.5)	20.0(22.0)	11.5(12.0)	1M
CMI-MMPP10040LH-3R9M	3.9	15(12.5)	19.5(21.5)	11.2(11.7)	1M
CMI-MMPP10040LH-4R7M	4.7	16.8(14)	19.0(21.0)	11.0(11.5)	1M
CMI-MMPP10040LH-6R8M	6.8	24(20)	16.0(17.0)	10.5(11.0)	1M
CMI-MMPP10040LH-8R2M	8.2	30(25)	13.5(14.5)	8.5(9.0)	1M
CMI-MMPP10040LH-100M	10	42(35)	13.0(14.0)	6.5(7.0)	1M
CMI-MMPP10040LH-150M	15	54(45)	11.0(12.0)	6.0(6.5)	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 ~ +125 °c

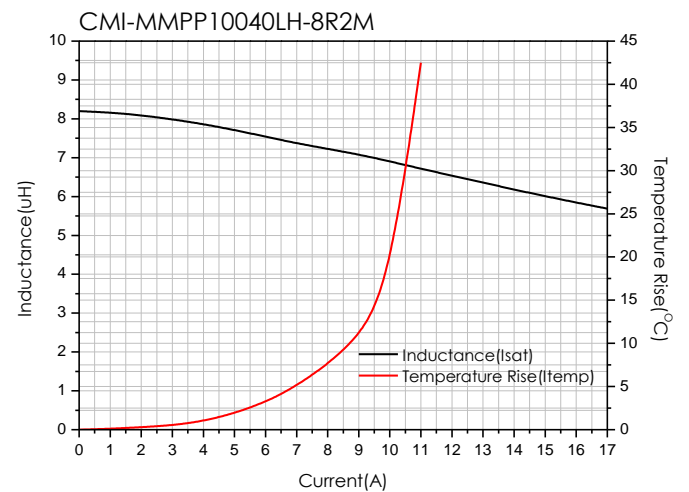
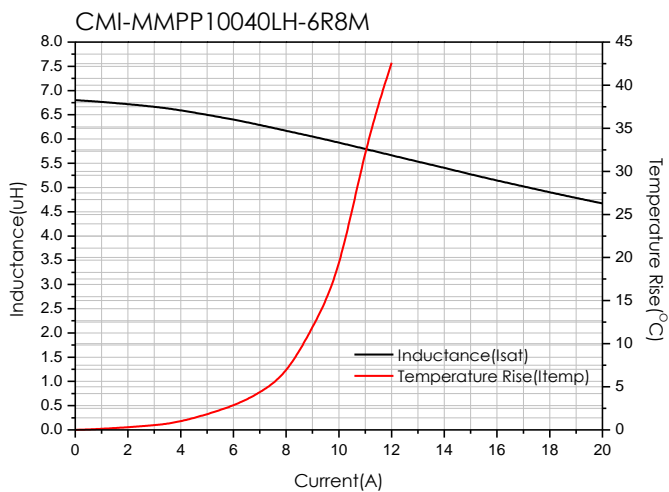
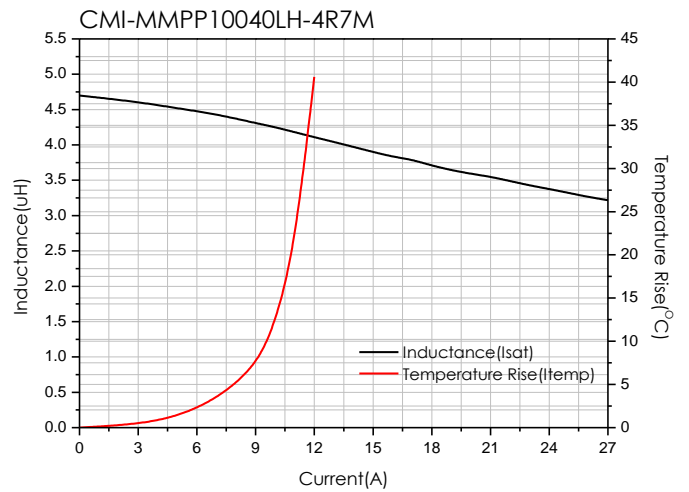
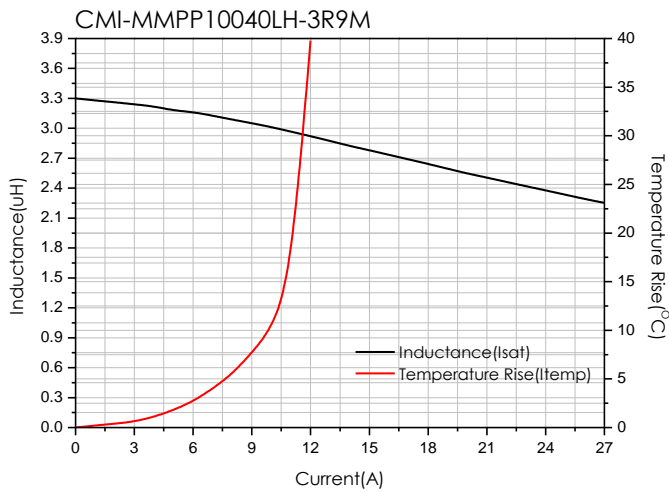
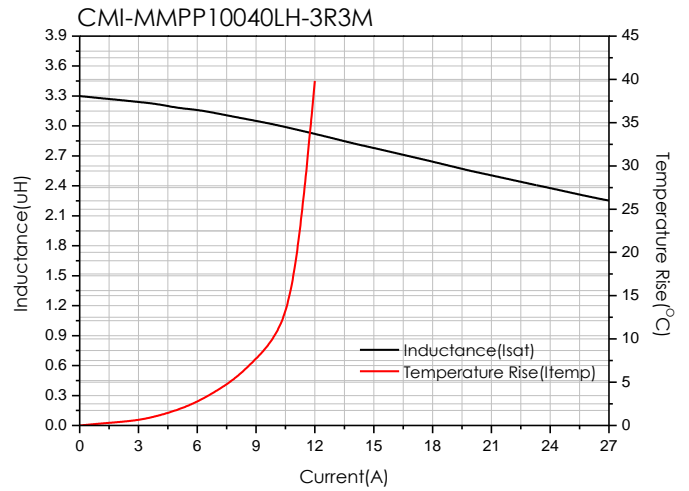
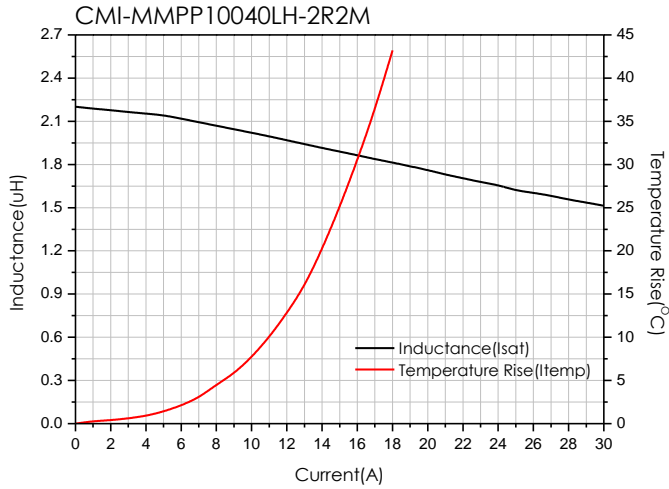
Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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

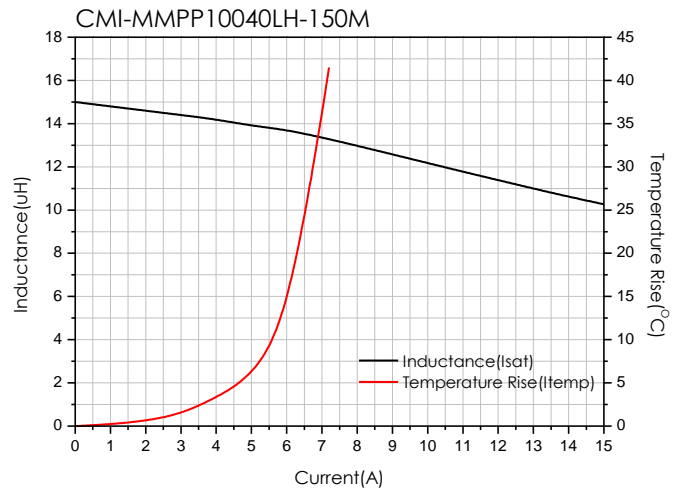
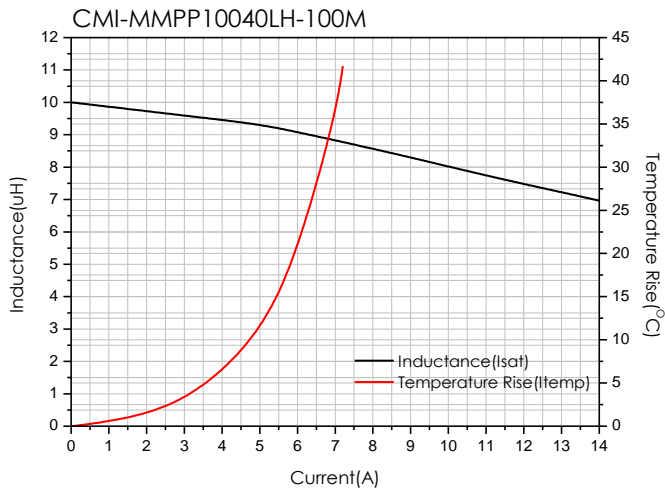
- All specifications are subject to change without notice.
- Update date : 2021.08.16

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## Electrical characteristics



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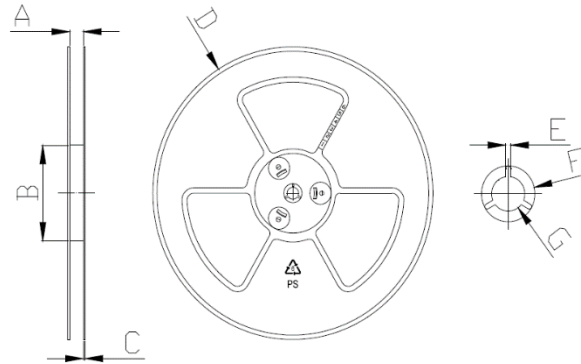


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## Packaging

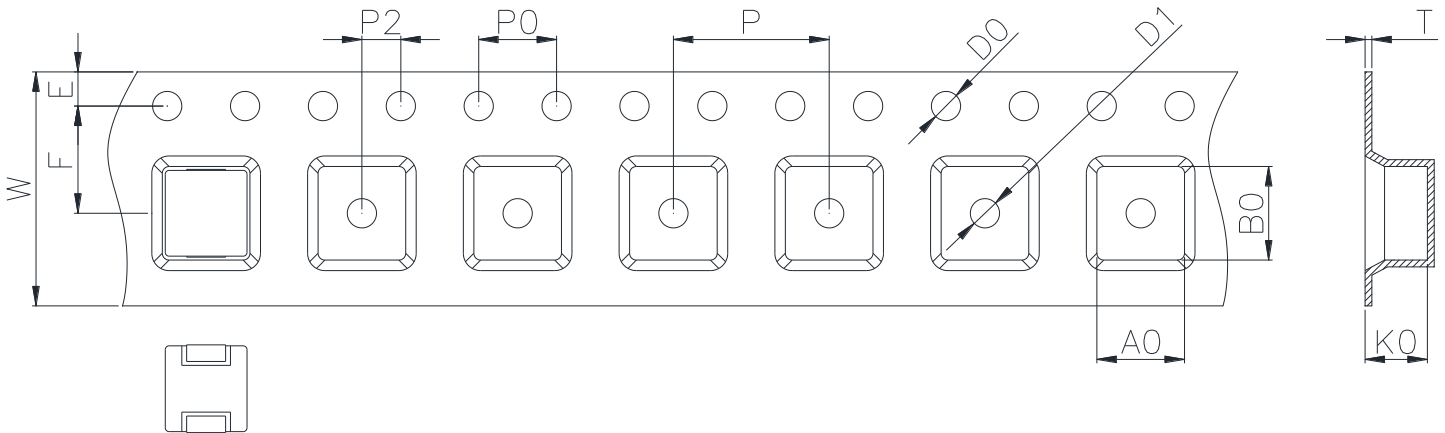
(1) Package quantity : 800 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
24.50	100.0	2.30	330.0	2.30	21.50	13.00
+0.50	+1.00	+0.20	+3.00	+0.30	+0.30	+0.50
-0.50	-1.00	-0.20	-3.00	-0.30	-0.30	-0.20

(3) Tape Dimensions



W	A0	B0	K0	E	F	P	P0	P2	D0/D1	T
24.00	10.50	11.40	4.30	1.75	11.50	16.00	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
-0.30	-0.10	-0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

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