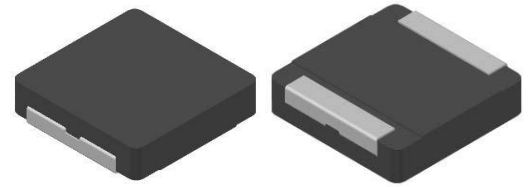


# CMI-CMMPP17040HC-4R7M

## Features

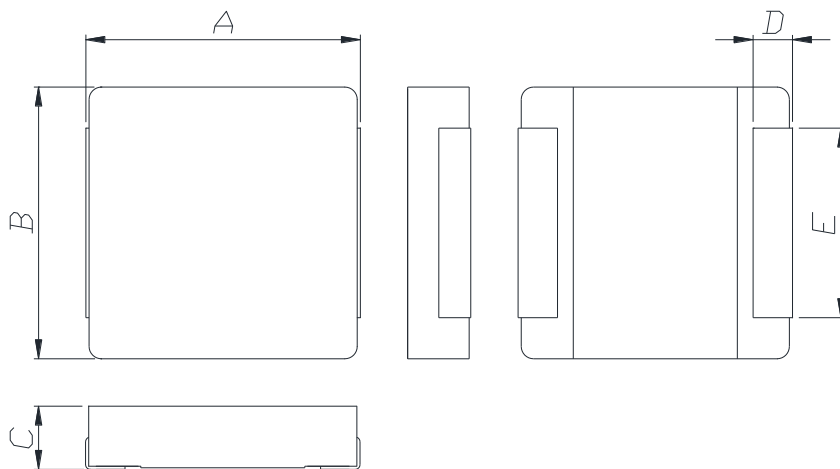
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.



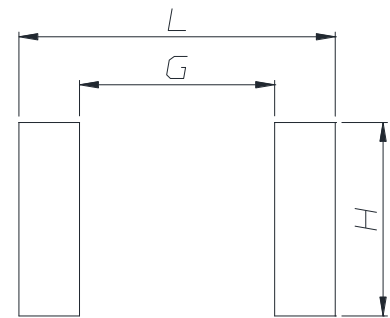
## Applications

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

## Dimension (Unit:mm)

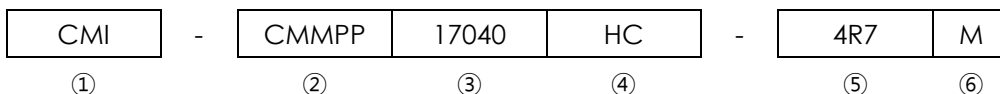


## Land Pattern (Unit:mm)



A	B	C	D	E	L	G	H
17.2 ±0.5	17.2 ±0.4	4.0 Max.	2.7 ±0.3	12.0 ±0.2	20.1	12.4	12.3

## Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Metal Molded Pin type Power inductor
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (4.7uH)
- ⑥ Inductance tolerance ( $\pm 20\%$ )

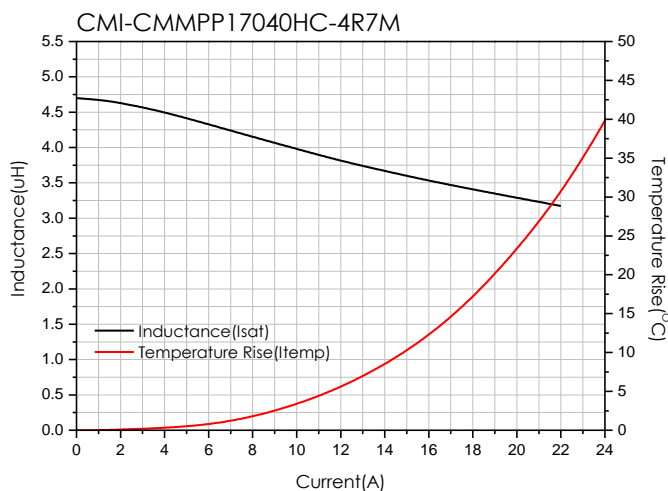
## Specifications

Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-CMMPP17040HC-4R7M	4.7	10.0(8.3)	14.0(18.0)	21.5(23.5)	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

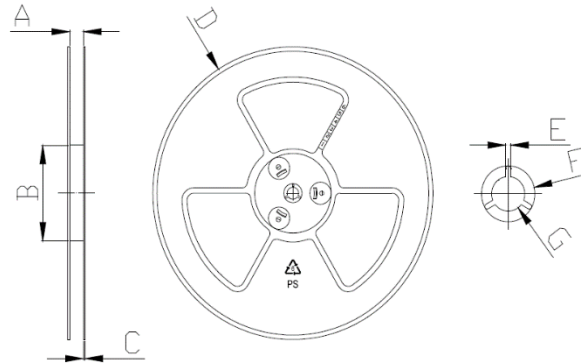


- You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)
- All specifications are subject to change without notice.
- Update date : 2024.03.22

## Packaging

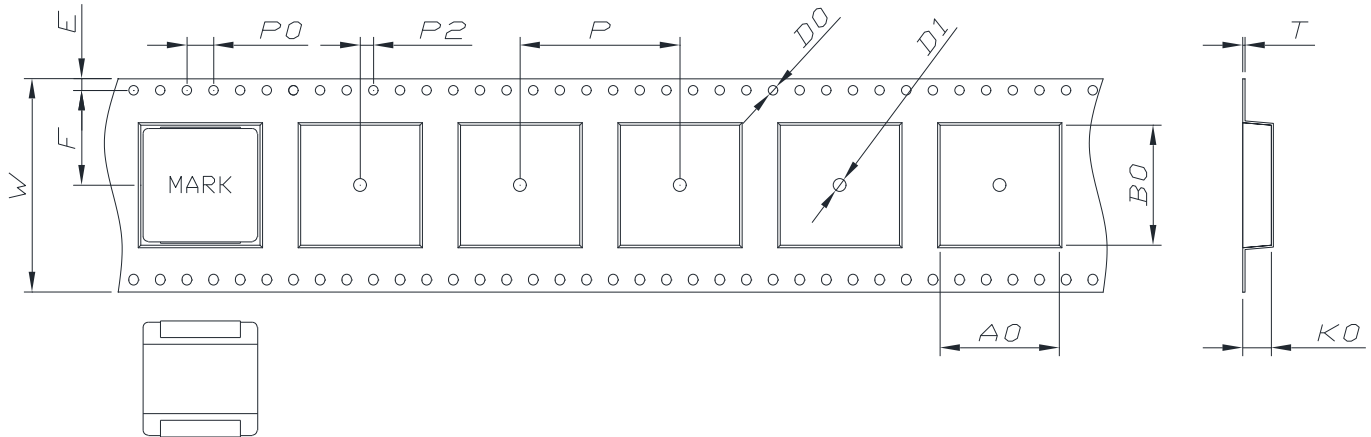
(1) Package quantity : 550 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
32.50	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
32.00	17.90	18.00	4.30	1.75	14.20	24.00	4.00	2.00	1.50	0.35
+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	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

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