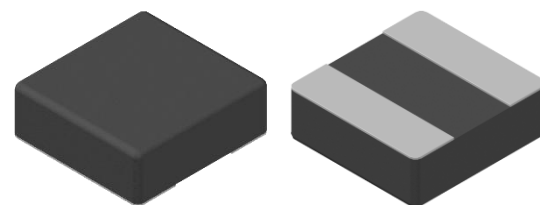


CMI-CMMPF7024HL-SERIES

Features

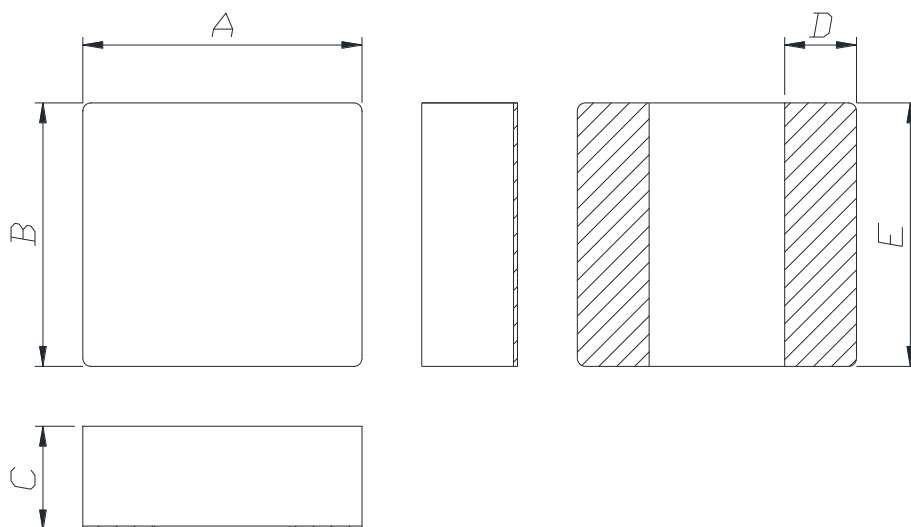
- ▶ Low Profile and Compact design.
- ▶ Lower DCR with applying Flat wire.
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.



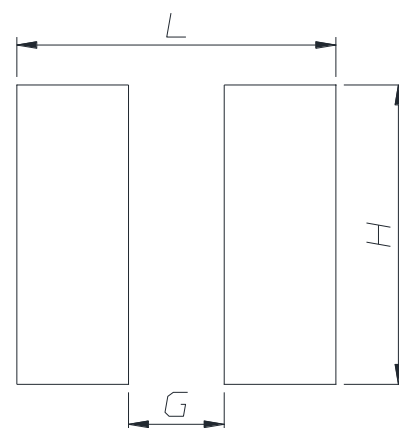
Applications

- ▶ Car navigation, Car Audio, ADAS ECU,
In-C-Vehicle camera (View camera, Sensing camera), Automotive communication module.

Dimension (Unit:mm)



Land Pattern (Unit:mm)

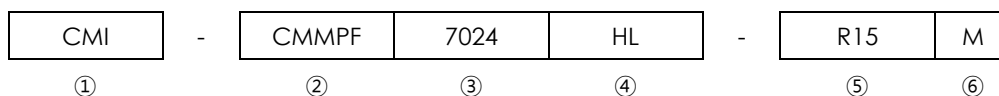


A	B	C	D	E
7.0 ±0.3	6.6 ±0.3	2.4 Max.	1.8 ±0.3	6.6 ±0.3

G	H	L
2.4	7.5	8.0

- You can also contact us by e-mail : coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date : 2025.08.05

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Metal Molded Power inductor Flat wire type
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (0.15uH)
- ⑥ Inductance tolerance ($\pm 20\%$)

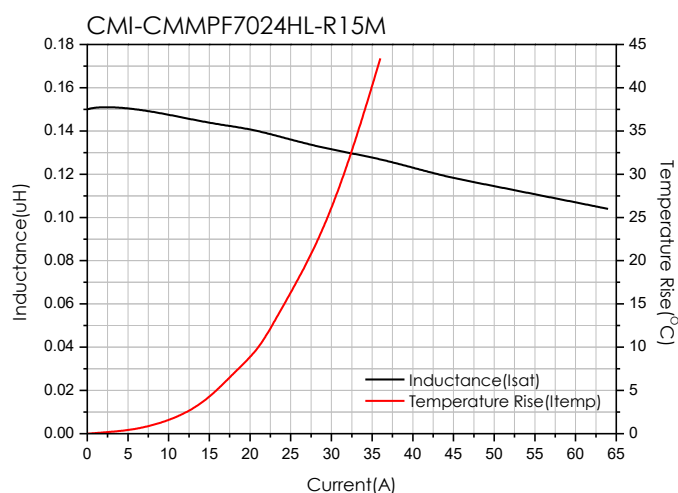
Specifications

Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-CMMPF7024HL-R15M	0.15	1.2(1.0)	50.0(60.0)	28.0(33.0)	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 ~ +150 °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

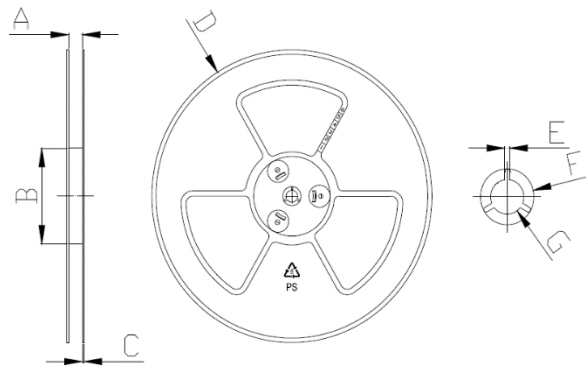


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Packaging

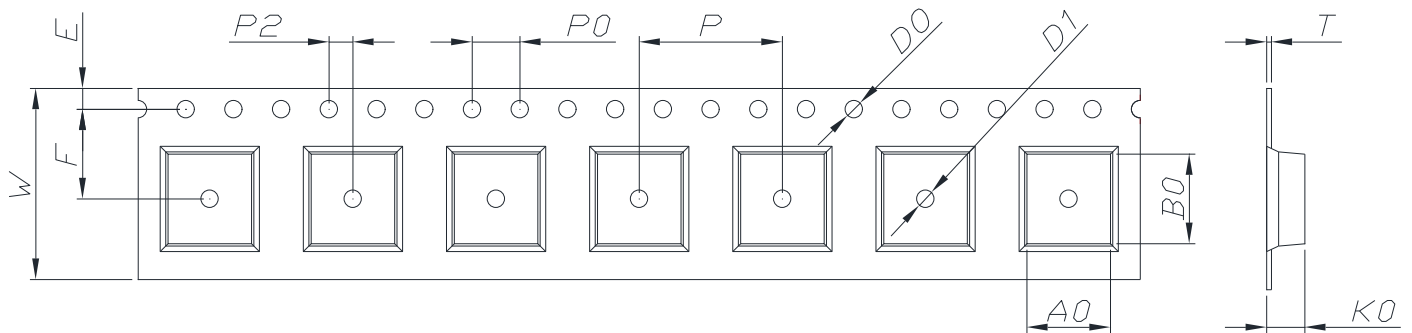
(1) Package quantity : 1,500 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
16.50 +0.50 -0.50	100.0 +1.00 -1.00	2.00 +0.10 -0.10	330.0 +3.00 -3.00	2.30 +0.30 -0.30	21.50 +0.30 -0.30	13.00 +0.50 -0.20

(3) Tape Dimensions



W	A0	B0	K0	E	F	P	P0	P2	D0/D1	T
16.00 +0.30 -0.10	7.00 +0.10 -0.10	7.50 +0.10 -0.10	2.60 +0.10 -0.10	1.75 +0.10 -0.10	7.50 +0.10 -0.10	12.00 +0.10 -0.10	4.00 +0.10 -0.10	2.00 +0.10 -0.10	1.50 +0.10 -0.00	0.30 +0.05 -0.05

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