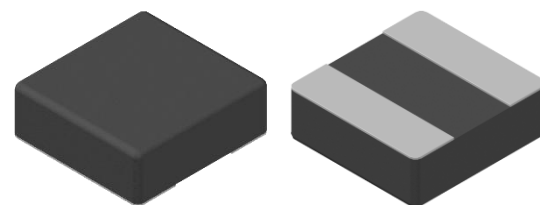


CMI-MMPF7024HL-SERIES

Features

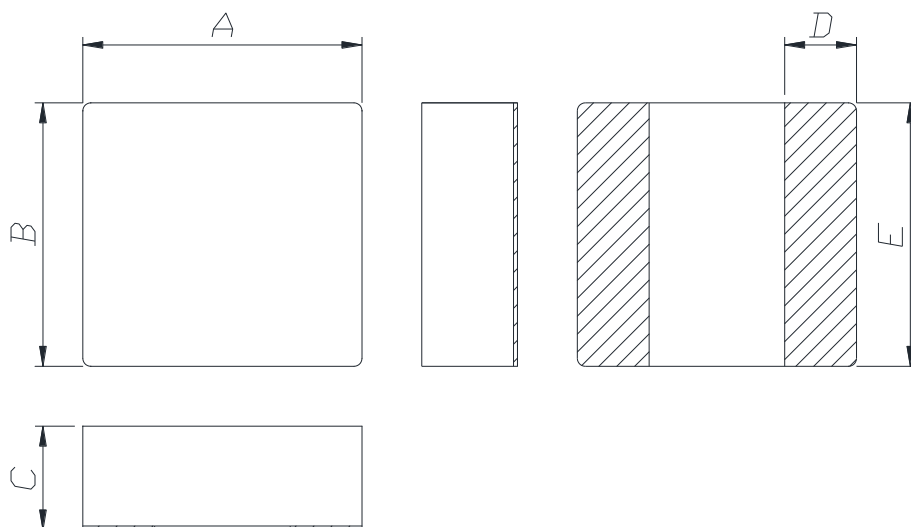
- ▶ Low Profile and Compact design.
- ▶ Lower DCR with applying Flat wire.
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.



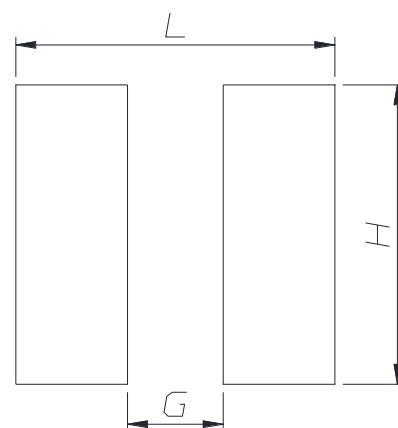
Applications

- ▶ For DC/DC converter, DDR5, AV equipment digital consumer electronics

Dimension (Unit:mm)



Land Pattern (Unit:mm)



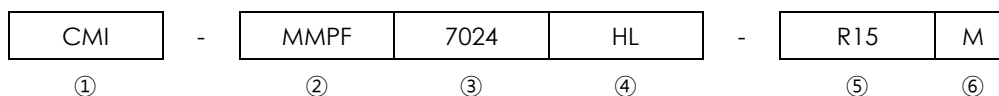
A	B	C	D	E
7.0 ±0.3	6.6 ±0.3	2.4 Max.	1.8 ±0.3	6.6 ±0.3

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 : Metal Molded Power inductor Flat wire type
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (0.15uH)
- ⑥ Inductance tolerance ($\pm 20\%$)

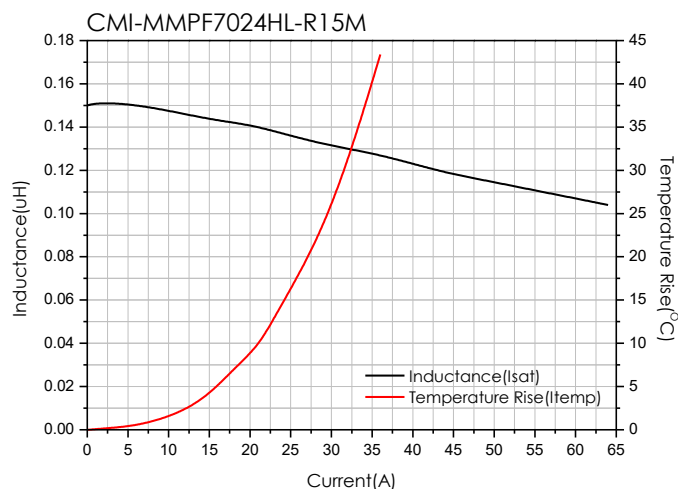
Specifications

Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-MMPF7024HL-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 ~ +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.

Electrical characteristics

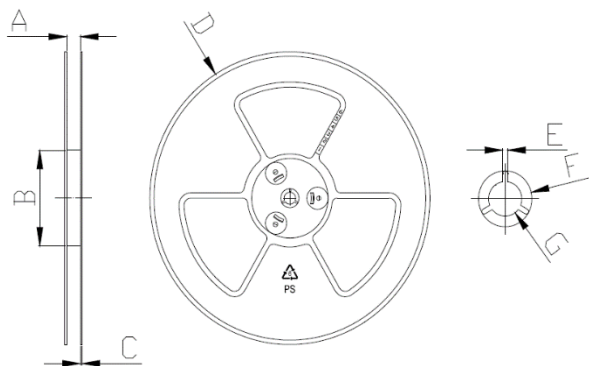


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Packaging

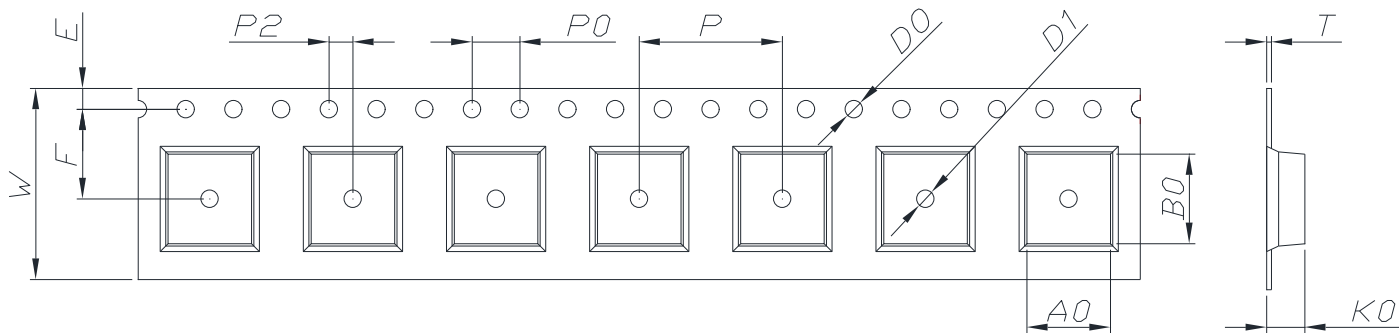
(1) Package quantity : 1,500 (pcs/reel)

(2) Reel Dimensions (unit:mm)



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

(3) Tape Dimensions



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

Korea Sales Office (KOREA) +82)31-904-1444 H.K Sales Office (HONGKONG) +852)2711-5551
China Sales Office (CHINA) +86)0758-683-1444 LA Sales Office (USA) +1)714-616-6989
Hungary Sales office (EUROPE) +36)1-404-5832

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