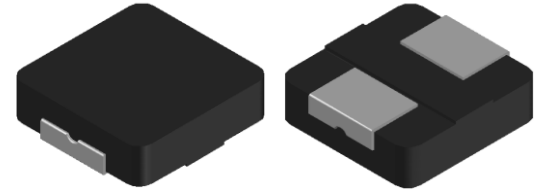


CMI-MMPP5015HL-SERIES

Features

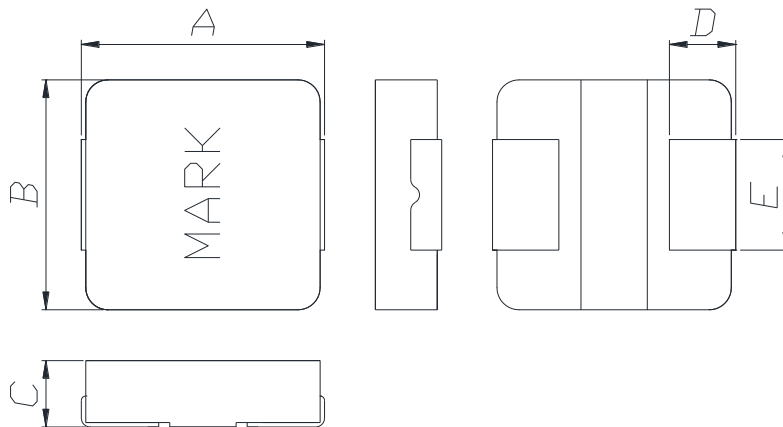
- ▶ Low profile
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free / RoHS compliant.



Applications

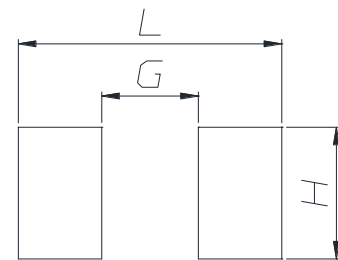
- ▶ For DC/DC converter, AV equipment digital consumer electronics

Dimension (Unit:mm)



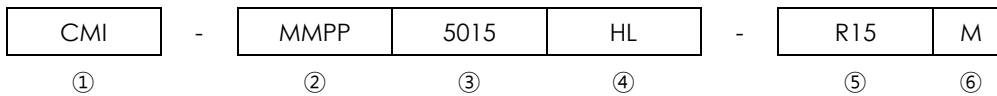
A	B	C	D	E
5.4±0.35	5.2±0.25	1.5 Max	1.5±0.2	2.5±0.2

Land Pattern (Unit:mm)



L	G	H
6.0	2.2	3.0

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 (0.15uH)
- ⑥ Inductance tolerance (±20%)

Specifications

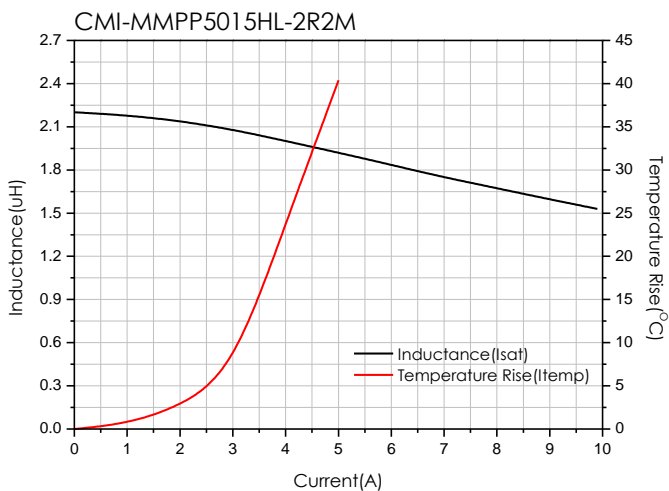
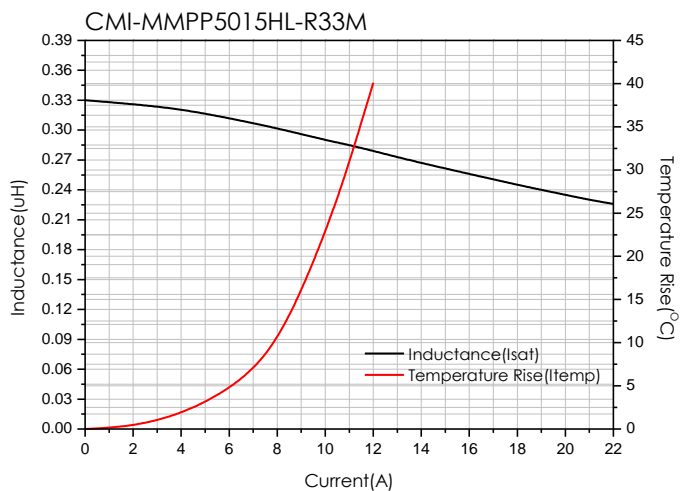
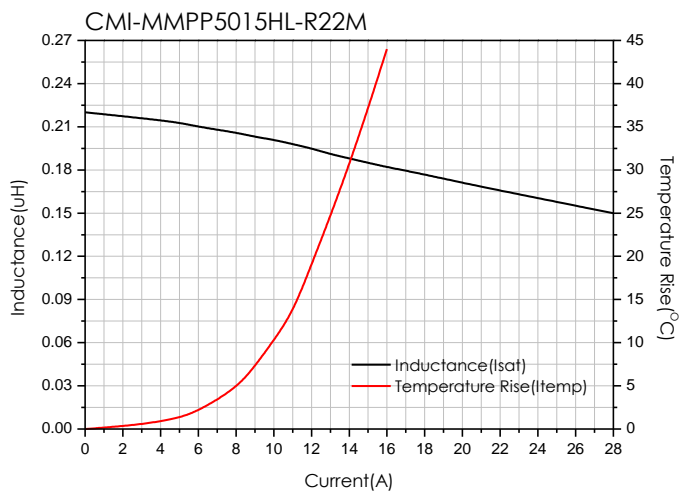
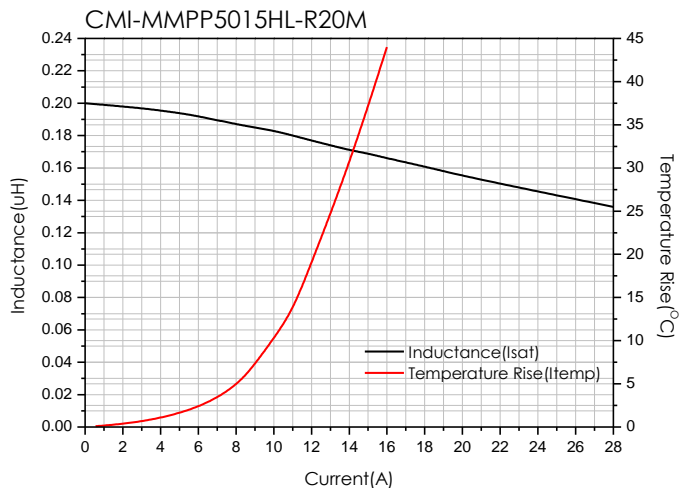
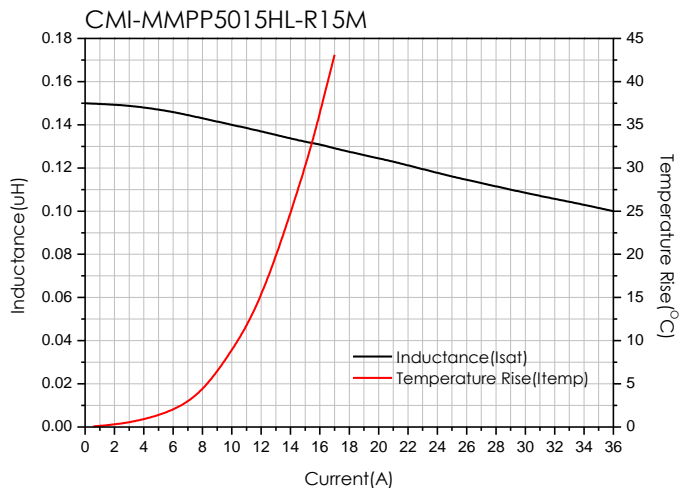
Part Number	Inductance (uH) ±20%	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-MMPP5015HL-R15M	0.15	4.5(3.8)	23.00(26.00)	14.50(16.00)	1M
CMI-MMPP5015HL-R20M	0.20	4.8(4.0)	20.00(22.50)	14.00(15.00)	1M
CMI-MMPP5015HL-R22M	0.22	5.4(4.5)	18.50(20.50)	12.50(13.50)	1M
CMI-MMPP5015HL-R33M	0.33	9.0(7.5)	14.50(16.50)	10.00(11.00)	1M
CMI-MMPP5015HL-2R2M	2.2	54.0(45.0)	6.30(7.30)	4.00(4.50)	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.

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- Update date : 2023.06.22

Electrical characteristics

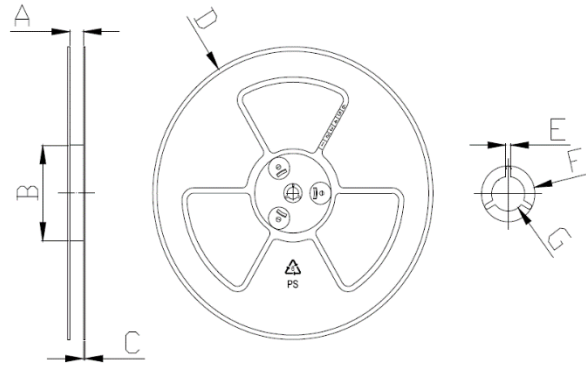


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Packaging

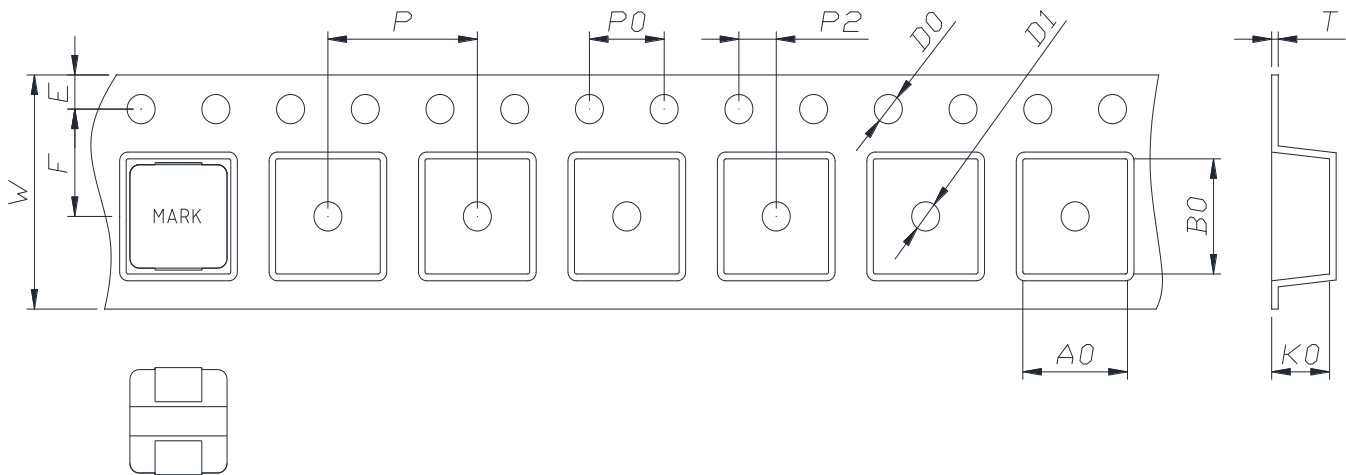
(1) Package quantity : 3,000 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
12.50	100.0	2.00	330.0	1.90	21.00	13.00
+1.00	+1.50	+0.10	+1.00	+0.40	+0.40	+0.40
-1.00	-1.50	-0.10	-1.00	-0.40	-0.40	-0.40

(3) Tape Dimensions



W	A0	B0	K0	E	F	P	P0	P2	D0/D1	T
12.00	5.50	5.70	2.20	1.75	5.50	8.00	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	-0.00	-0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

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