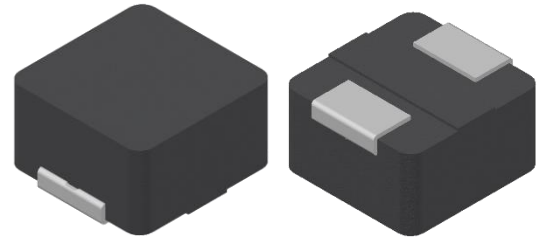


CMI-CMMPP5030HL-SERIES

Features

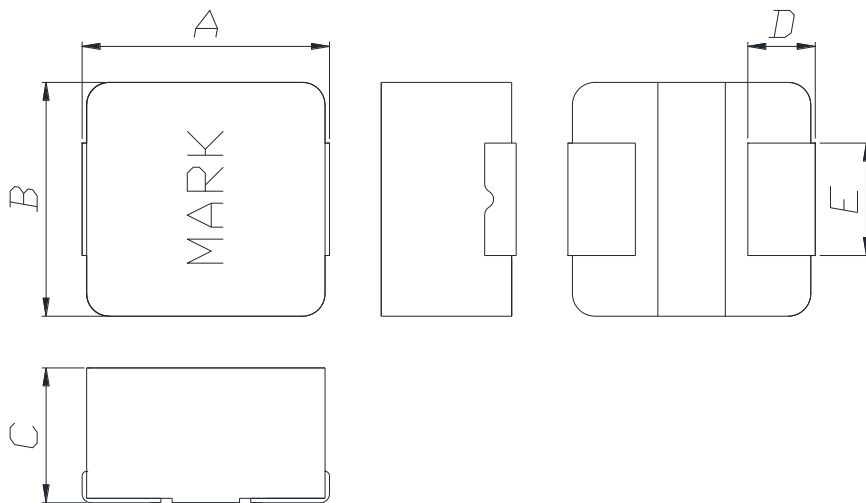
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.



Applications

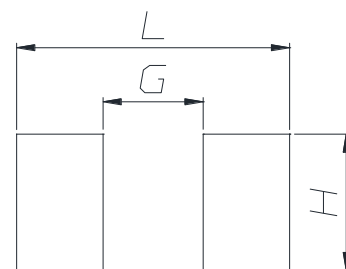
- ▶ Equipment using for automobiles (ECM, Airbags, Headlights, Electronic Power steering, Motors, ABS, other)

Dimension (Unit:mm)



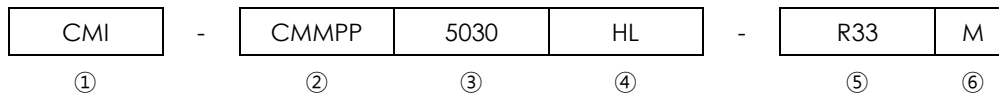
A	B	C	D	E
5.4 ±0.35	5.2 ±0.25	3.0 Max.	1.5 ±0.2	2.5 ±0.2

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 (0.33uH)
- 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-CMMPP5030HL-R33M	0.33	4.8(4.0)	21.0(25.0)	14.5(15.0)	1M
CMI-CMMPP5030HL-R47M	0.47	7.2(6.0)	14.0(16.0)	12.5(13.5)	1M
CMI-CMMPP5030HL-R68M	0.68	7.8(6.5)	13.0(15.0)	12.0(13.0)	1M
CMI-CMMPP5030HL-1R0M	1.0	12(10)	11.0(13.0)	8.5(9.5)	1M
CMI-CMMPP5030HL-1R5M	1.5	21(17.5)	10.0(11.0)	7.0(7.5)	1M
CMI-CMMPP5030HL-2R2M	2.2	24(20)	9.0(9.5)	6.0(6.5)	1M
CMI-CMMPP5030HL-3R3M	3.3	36(30)	7.5(8.0)	5.7(6.0)	1M
CMI-CMMPP5030HL-4R7M	4.7	44.4(37)	6.2(6.7)	5.1(5.5)	1M
CMI-CMMPP5030HL-5R6M	5.6	60(50)	5.5(6.0)	4.3(4.8)	1M
CMI-CMMPP5030HL-6R8M	6.8	66(55)	4.8(5.3)	3.8(4.2)	1M
CMI-CMMPP5030HL-100M	10	100(85)	3.6(4.0)	3.2(3.6)	1M
CMI-CMMPP5030HL-150M	15	190(160)	3.1(3.5)	2.3(2.5)	1M
CMI-CMMPP5030HL-220M	22	220(185)	2.5(2.8)	2.0(2.2)	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

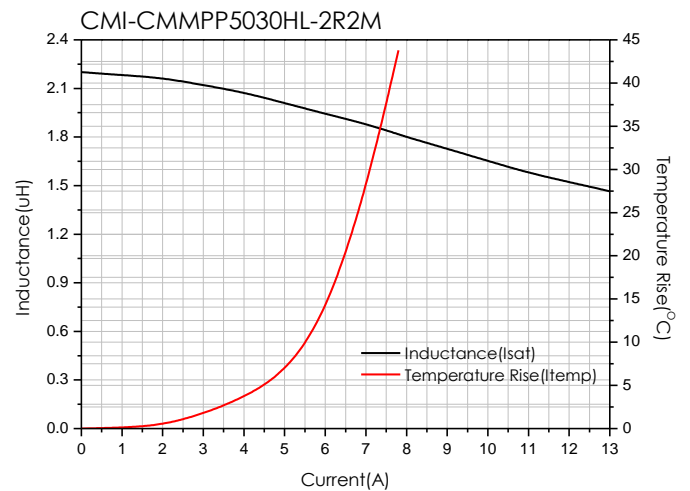
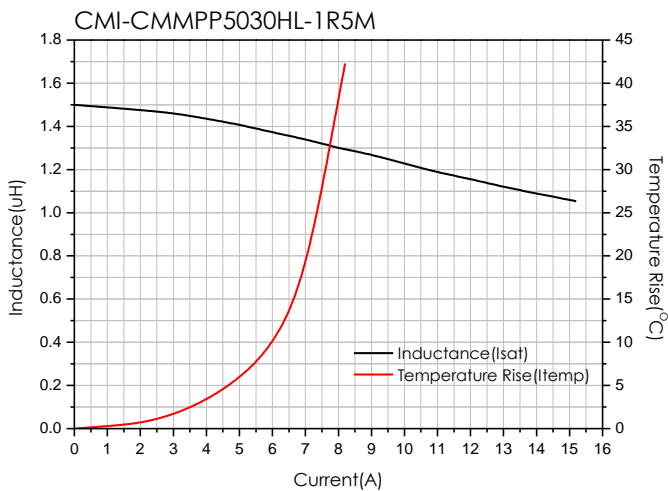
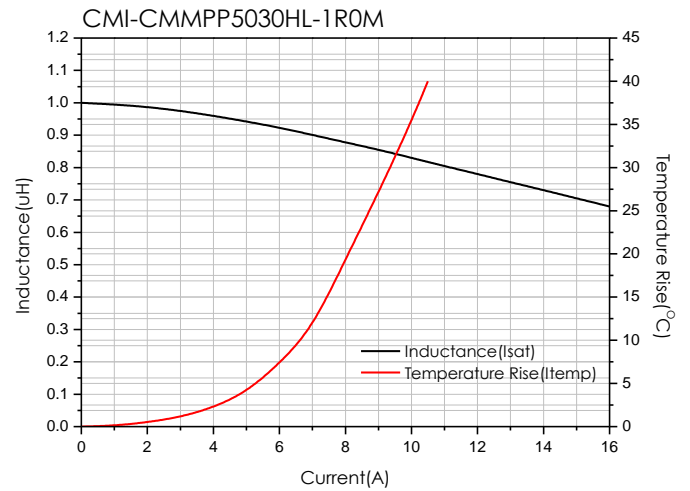
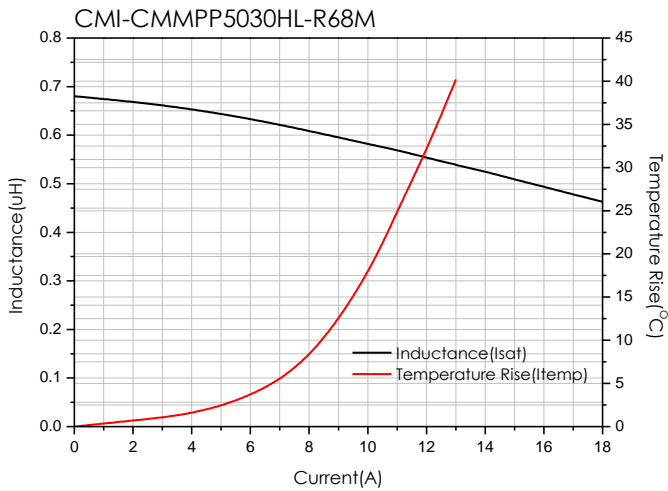
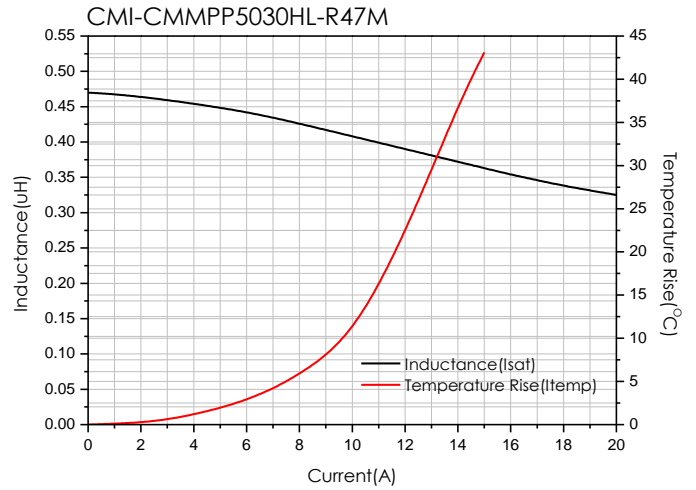
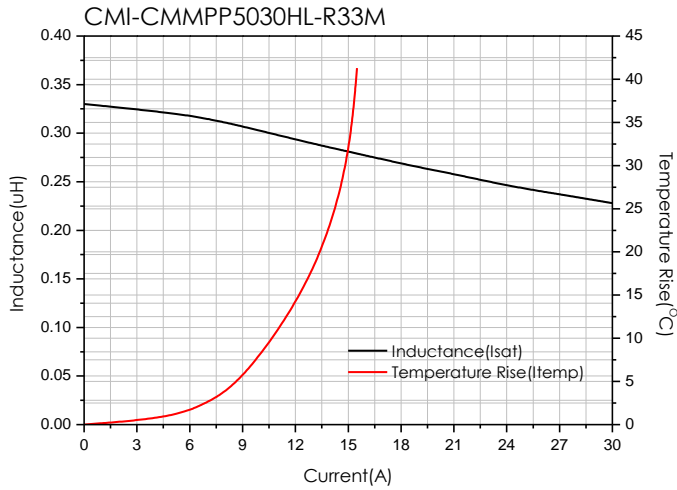
Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

▪ **You can also contact us by e-mail : coilmaster@coilmaster.com**

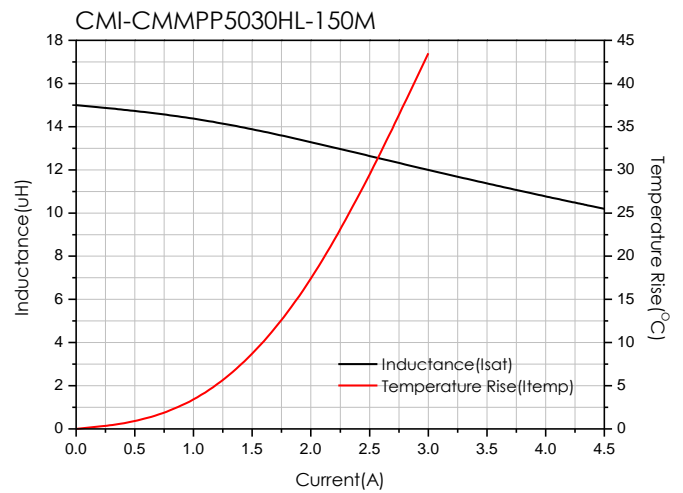
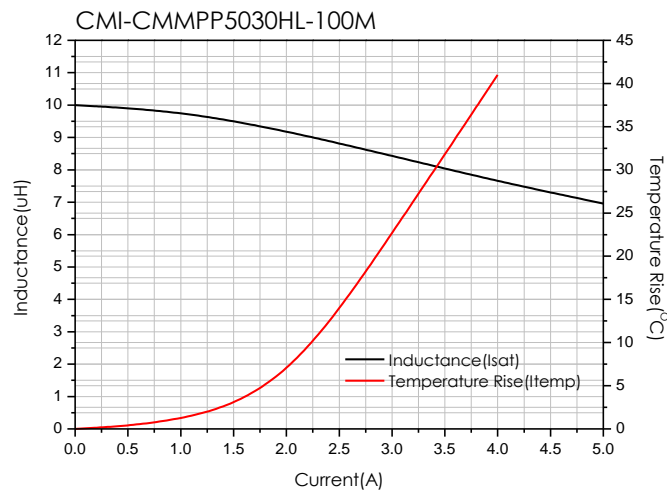
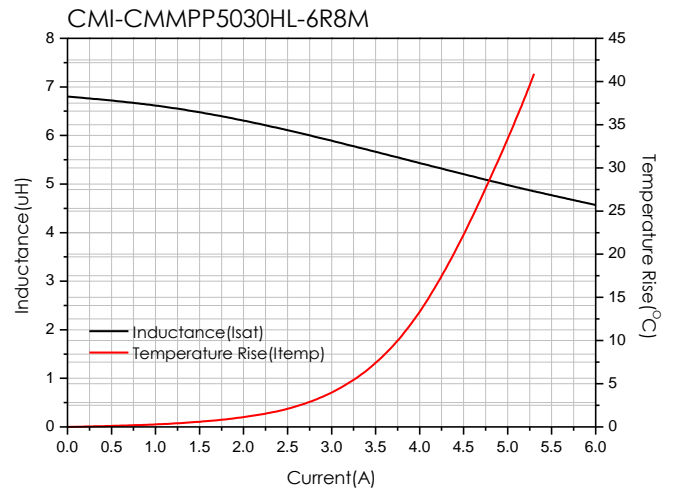
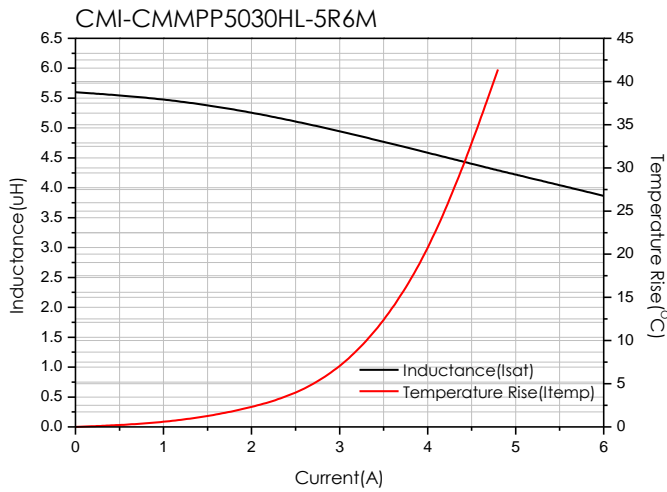
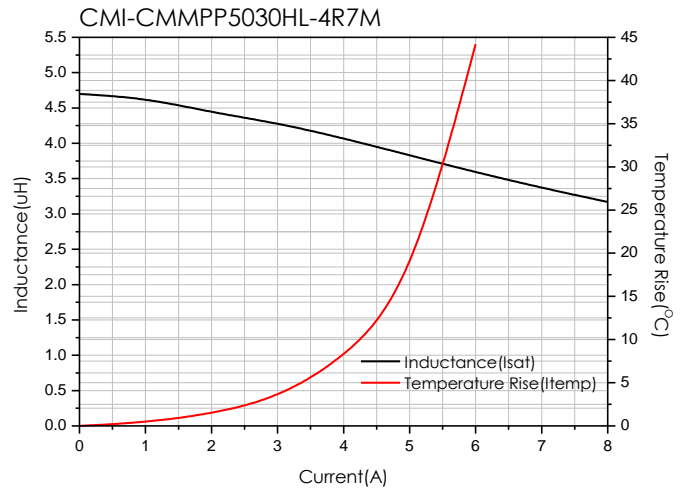
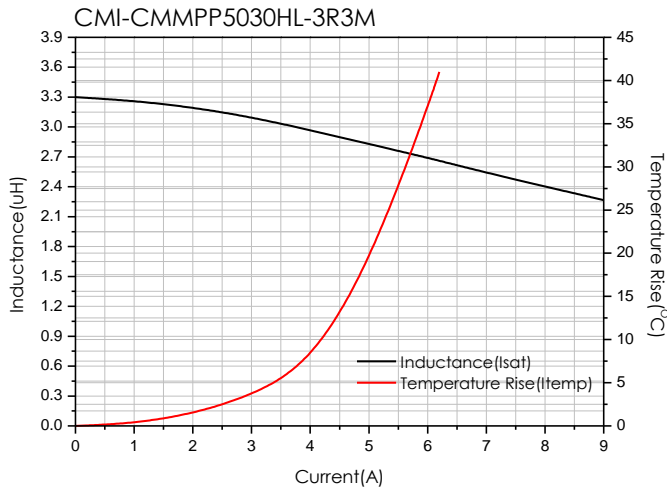
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- Update date : 2021.11.10

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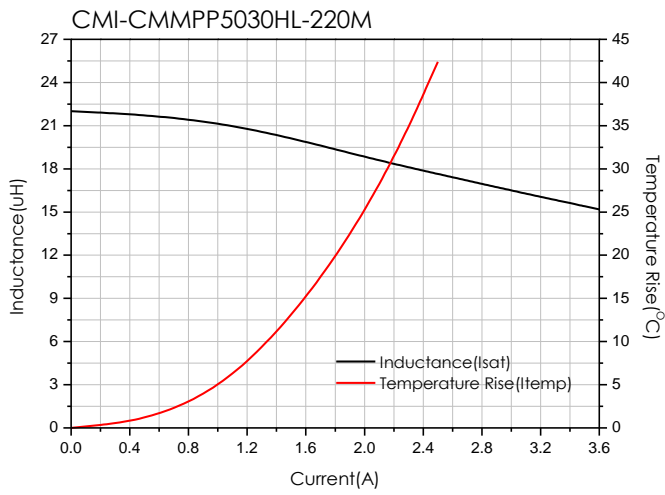
Electrical characteristics



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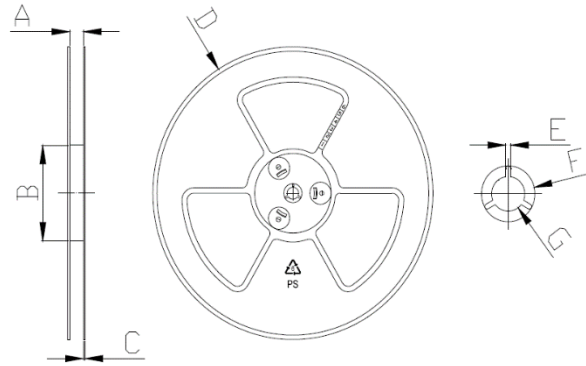


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Packaging

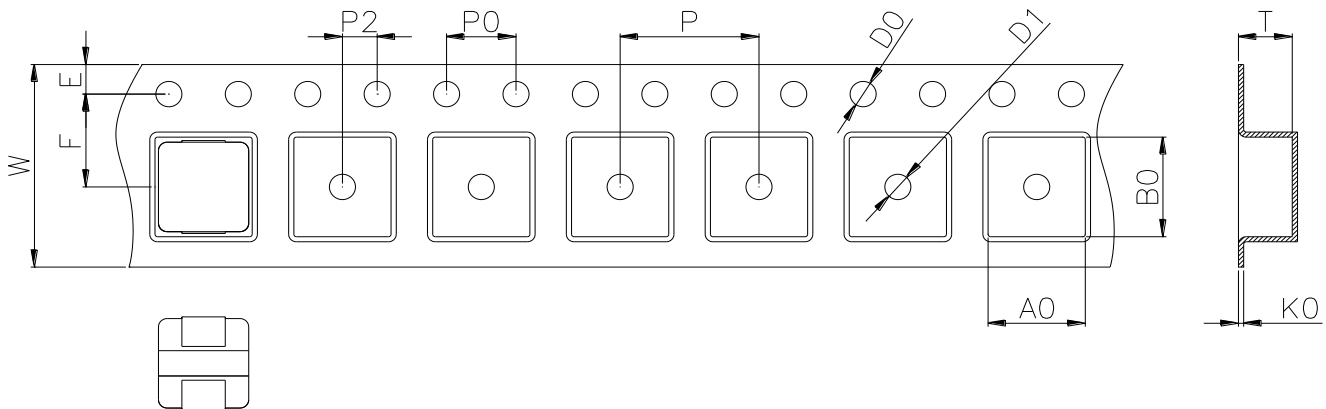
(1) Package quantity : 1,500 (pcs/reel)

(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	5.60	5.90	3.10	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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