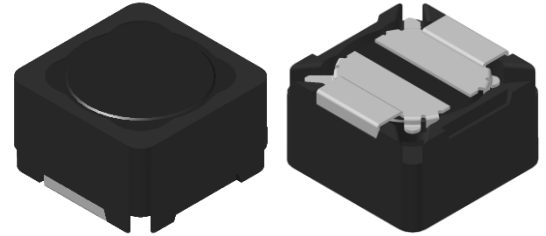


CMI-SSP10060NH-SERIES

Features

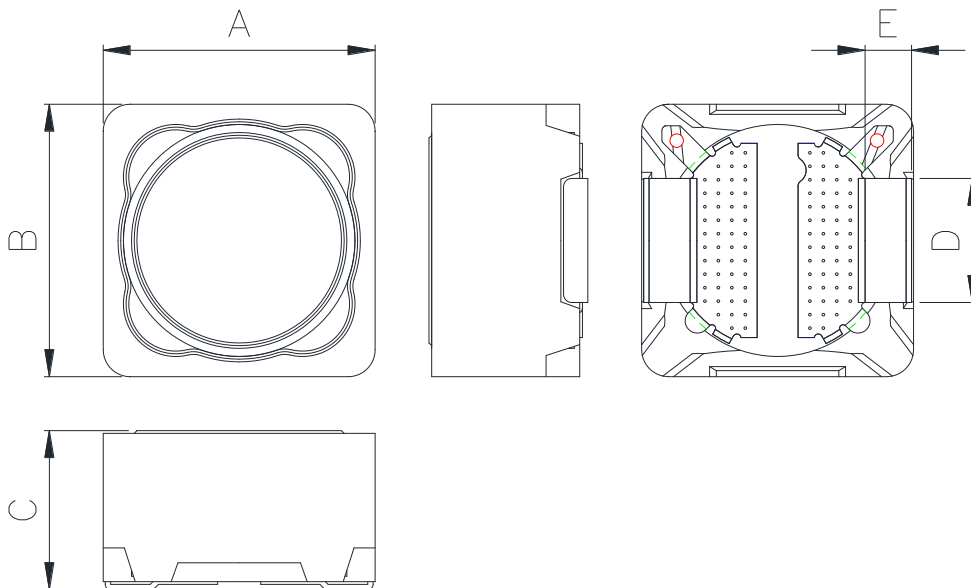
- ▶ SMD inductor
- ▶ Magnetic shield type wound inductor for power circuits.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant.
- ▶ Halogen Free.



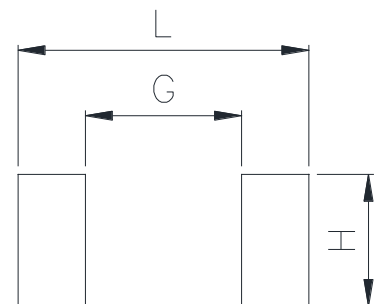
Applications

- ▶ For small DC/DC converter (LCD/LED/OLED TV, PC, SETTOP etc).
- ▶ For Power supply circuits.

Dimension (Unit:mm)



Land Pattern (Unit:mm)



A	B	C	D	E
10.0 ±0.3	10.0 ±0.3	6.0 Max.	4.6 ±0.2	1.97 ±0.3

G	H	L
5.8	4.9	10.8

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Regulation of part number

CMI	-	SSP	10060	NH	-	100	M
①		②	③	④		⑤	⑥

- ① CoilMaster's initial
- ② Series Name : Shielded core Square shape Pin type Power Inductor
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Typical inductance value (10 uH)
- ⑥ Inductance tolerance ($\pm 20\%$)

Specifications

Part Number	Inductance (uH)	Tolerance ($\pm$)	DCR (mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-SSP10060NH-100M	10	20%	36(30)	5.80(6.00)	5.80(6.00)	100k
CMI-SSP10060NH-220M	22	20%	60(50)	3.80(4.00)	4.00(4.20)	100k
CMI-SSP10060NH-331M	330	20%	732(610)	1.00(1.10)	1.10(1.18)	100k

- 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

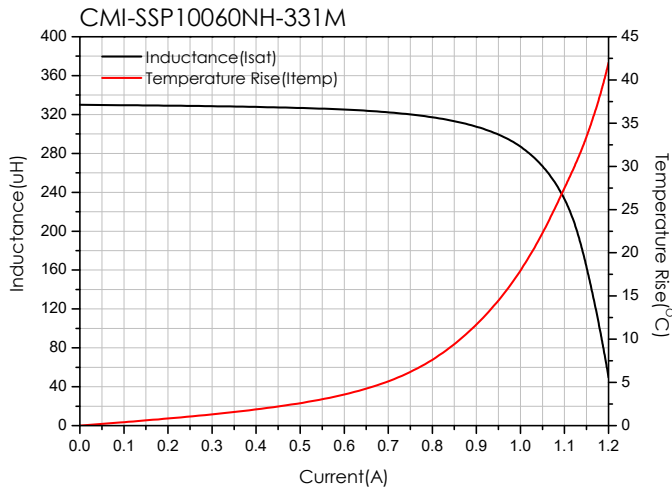
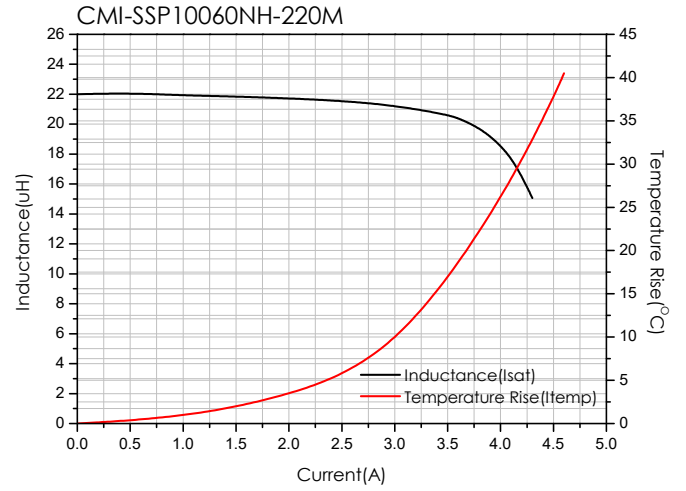
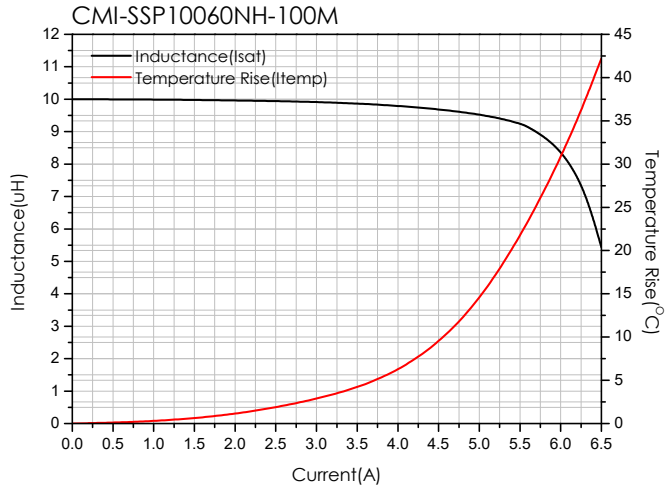
Note 1: Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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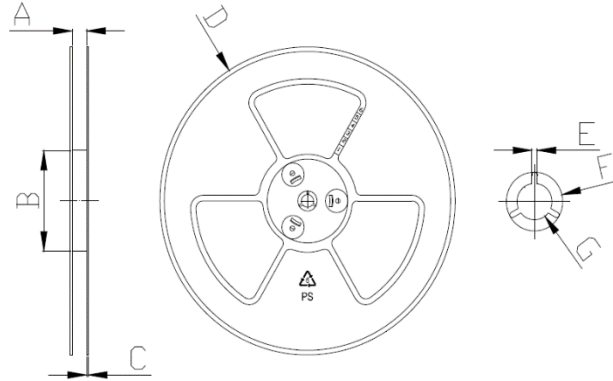
Electrical characteristics



Packaging

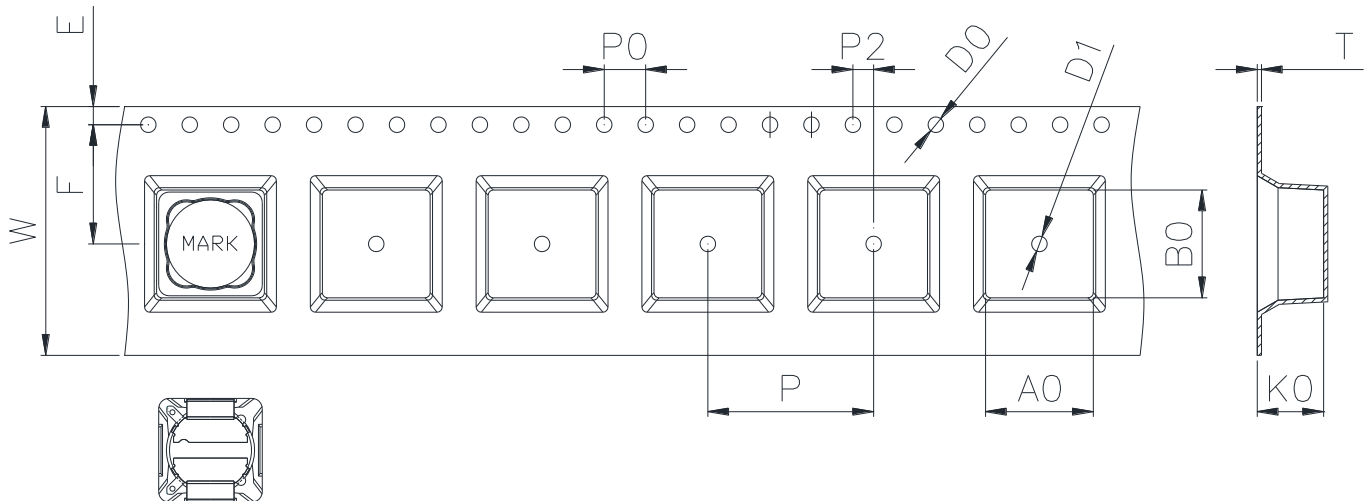
(1) Package quantity: 600 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
25.50	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
24.00	10.40	10.40	6.40	1.75	11.50	16.00	4.00	2.00	1.50	0.40
+0.30	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.25	+0.05
-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

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