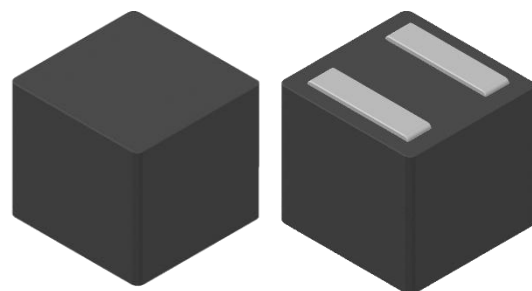


CMI-CMMPF6060H-SB SERIES

Features

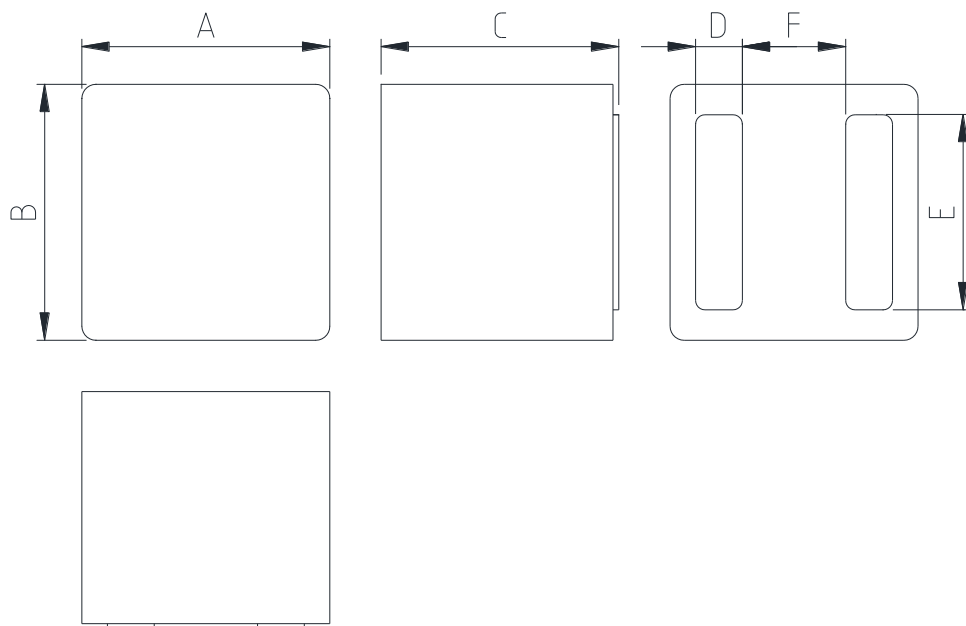
- ▶ Metal powder molding type for EMC protection.
- ▶ Lower DCR with applying flat wire.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.



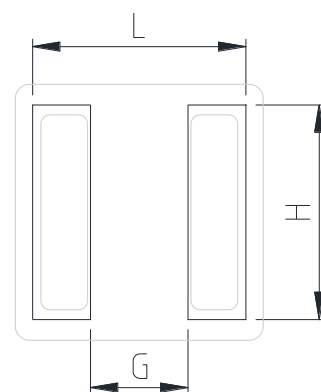
Applications

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

Dimension (Unit:mm)



Land Pattern (Unit:mm)



A	B	C	D	E	F
6.5 ±0.3	6.7 ±0.3	6.1 Max.	1.2 ±0.2	5.0 Typ.	2.65 Typ.

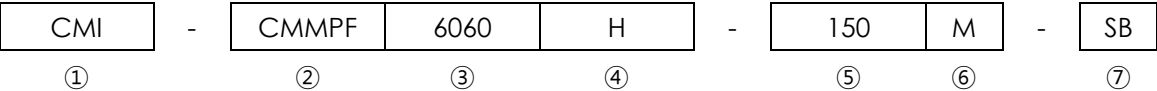
G	H	L
2.50	5.50	5.47

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Regulation of part number



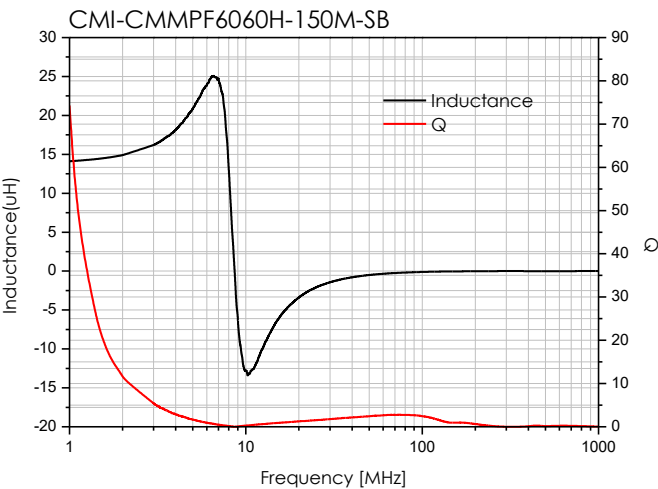
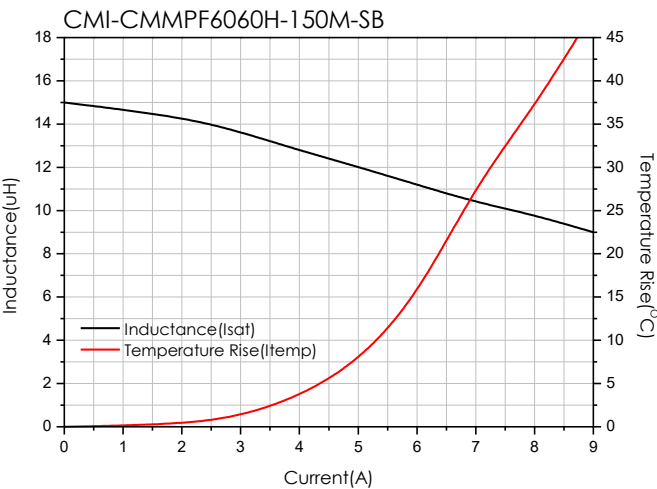
- ① CoilMaster's initial
- ② Series Name : Car Metal Molded Power inductor Flat wire type.
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (15.0uH)
- ⑥ Inductance tolerance (±20%)
- ⑦ Type (SB)

Specifications

Part Number	Inductance (uH) ±20%	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-CMPMPF6060H-150M-SB	15	31.1 (28.2)	5.50 (6.00)	7.00 (8.00)	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℃ by self heating)
- Operating Temperature Range (including self temperature) : -40℃ ~ +165℃
- 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

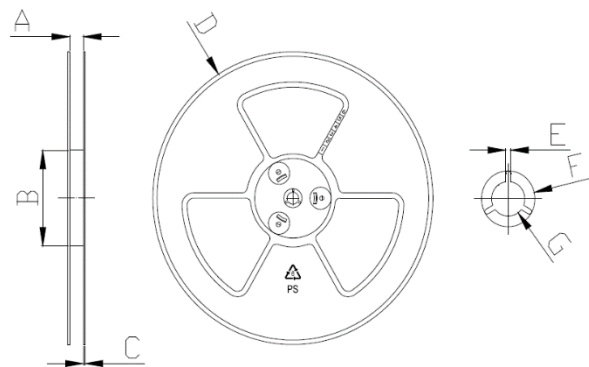


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Packaging

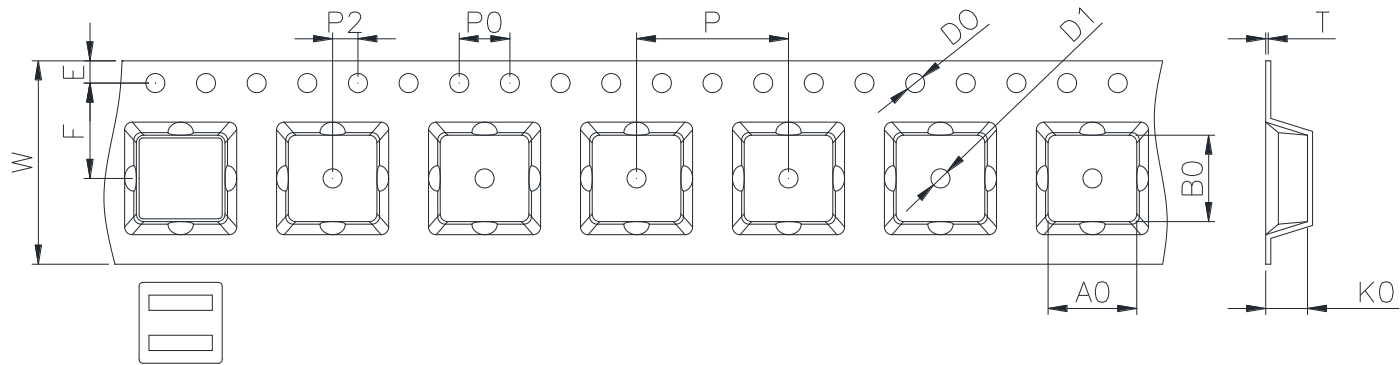
(1) Package quantity : 750 (pcs/reel)

(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	+0.20	+3.00	+0.30	+0.30	+0.50
-0.50	-1.00	-0.20	-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	6.80	6.30	1.75	7.50	12.00	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	+0.10	+0.05
-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

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