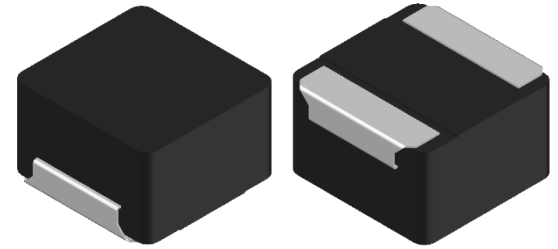


CMI-CMMPP22130HL-1R0M

Features

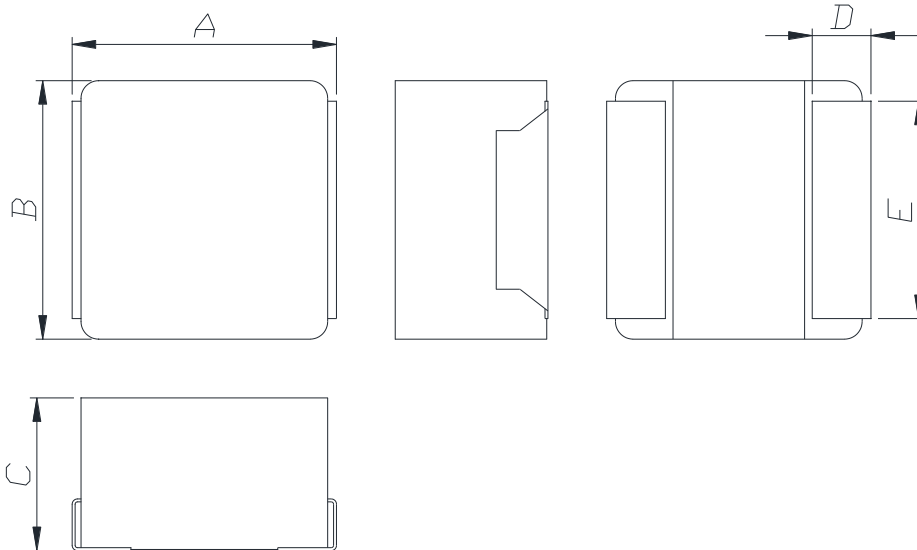
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.



Applications

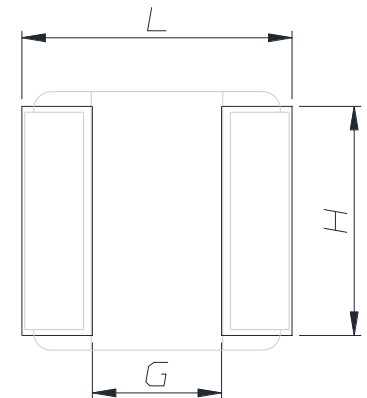
- ▶ Equipment using for automobiles (ECM, Airbags, Headlights, Electronic Power steering, Motors, ABS, other)

Dimension (Unit:mm)



A	B	C	D	E
22.5 ±0.5	22.0 ±0.4	13.0 Max.	5.0 ±0.5	18.5 ±0.3

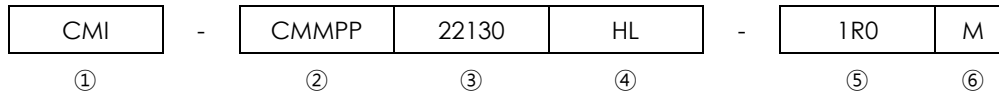
Land Pattern (Unit:mm)



L	G	H
23.0	11.5	19.5

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- Update date: 2026.10.14 (Rev.0.0)

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Metal Molded Pin type Power inductor
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (1.0uH)
- ⑥ Inductance tolerance ($\pm 20\%$)

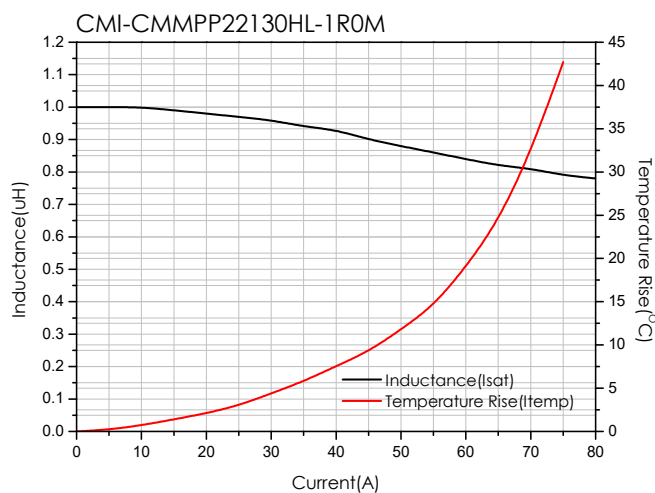
Specifications

Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-CMMPP22130HL-1R0M	1.0	1.5(1.25)	68.0(78.0)	55.0(60.0)	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 ~ +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.

Electrical characteristics

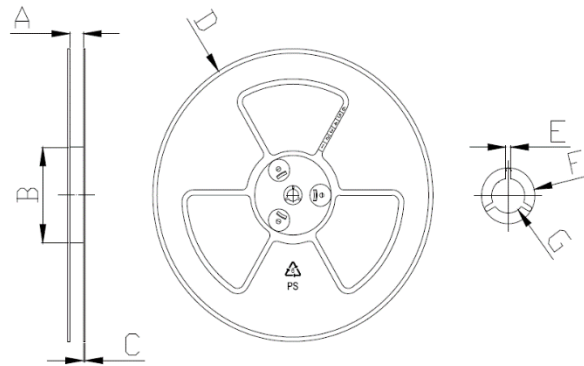


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Packaging

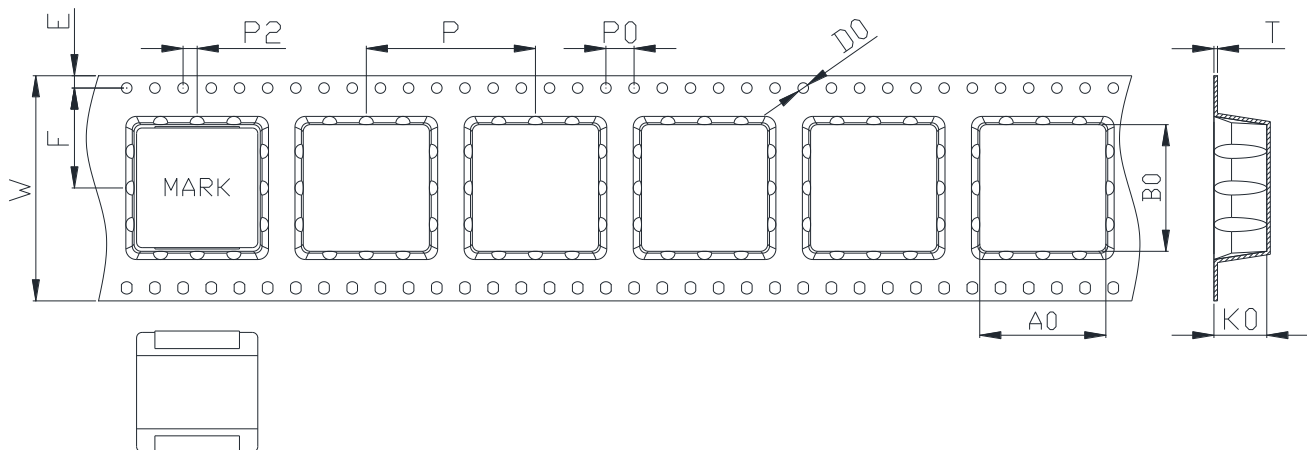
(1) Package quantity: 120 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
44.50	100.0	2.30	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	T
44.00	22.90	23.40	13.50	1.75	20.20	32.00	4.00	2.00	1.50	0.50
+0.30	+0.20	+0.20	+0.20	+0.10	+0.20	+0.10	+0.10	+0.10	+0.10	+0.05
-0.30	-0.20	-0.20	-0.20	-0.10	-0.20	-0.10	-0.10	-0.10	-0.00	-0.05

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