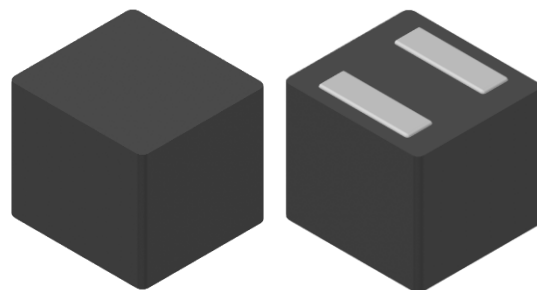


CMI-MMPF10100LH-SB SERIES

Features

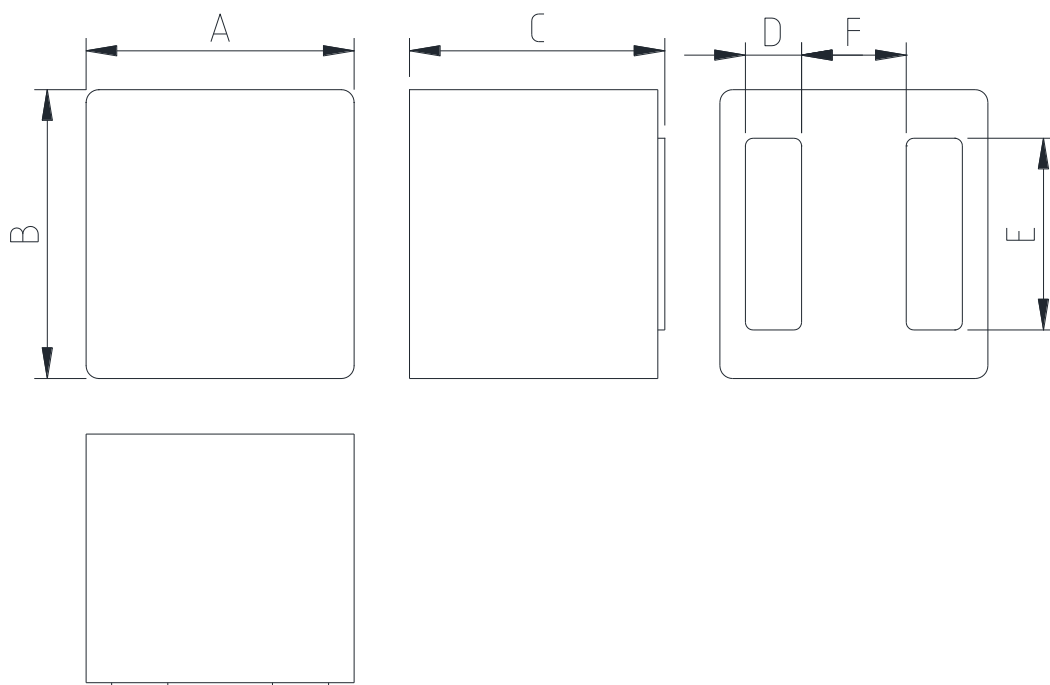
- ▶ Metal powder molding type for EMC protection.
- ▶ Lower DCR with applying flat wire.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.



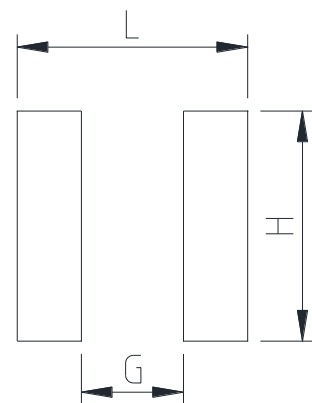
Applications

- ▶ For DC/DC Converter

Dimension (Unit:mm)



Land Pattern (Unit:mm)



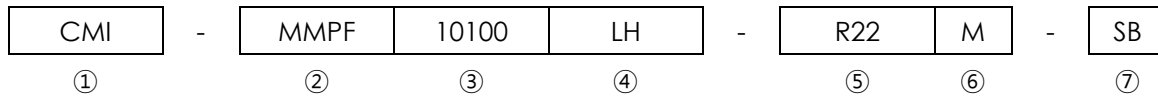
A	B	C	D	E	F
10.5 ±0.5	11.3 ±0.5	10.0 Max.	2.2 ±0.2	7.5 Typ.	4.1 Typ.

G	H	L
4.00	9.00	9.03

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

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- Update date : 2024.05.06 (Rev.0.0)

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Metal Molded Power inductor Flat wire type.
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (0.22uH)
- ⑥ Inductance tolerance ($\pm 20\%$)
- ⑦ Type (SB)

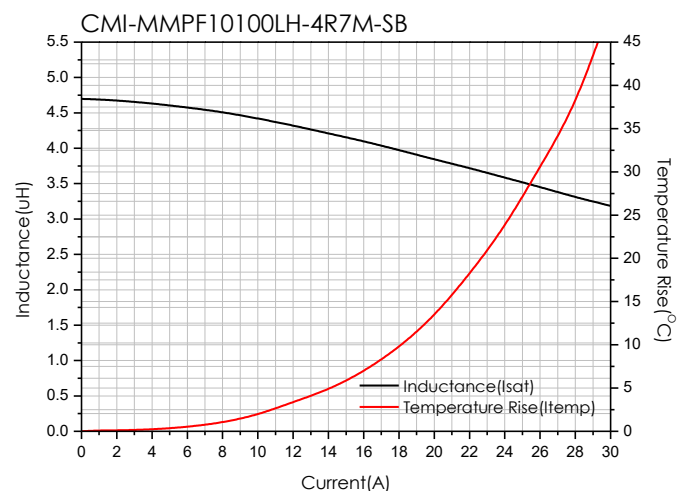
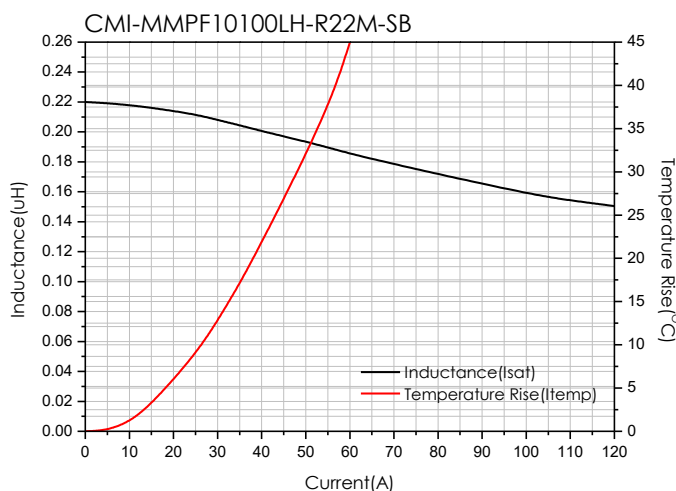
Specifications

Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Test Frequency (Hz)
CMI-MMPF10100LH-R22M-SB	0.22	0.5(0.4)	100(117)	52.8(55.5)	1M
CMI-MMPF10100LH-4R7M-SB	4.7	4.6(3.8)	23.0(28.0)	26.0(28.0)	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 ~ +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.

Electrical characteristics

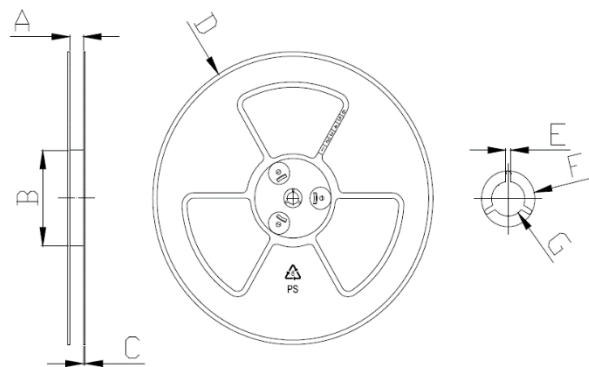


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Packaging

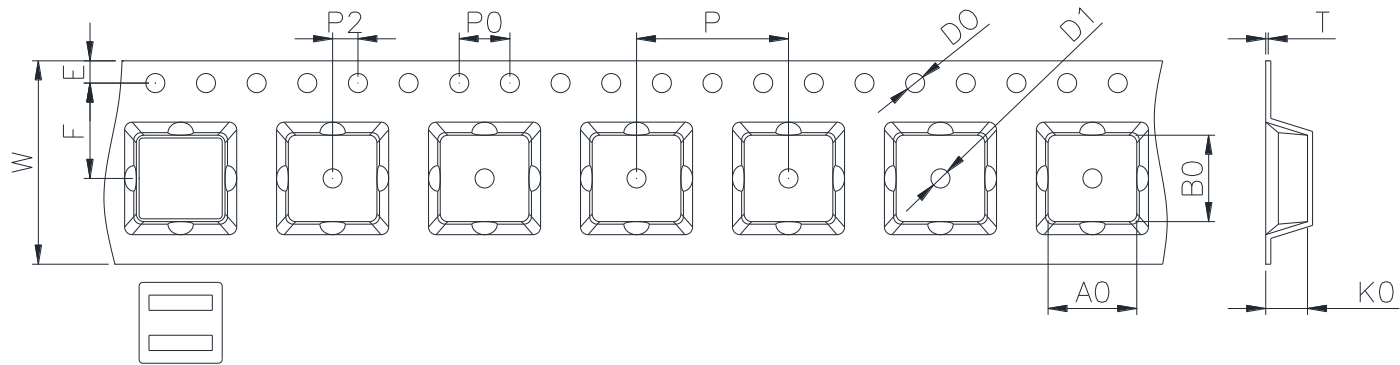
(1) Package quantity : 250 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
24.50	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
24.00	12.00	10.80	10.20	1.75	11.50	20.00	4.00	2.00	1.50	0.50
+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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