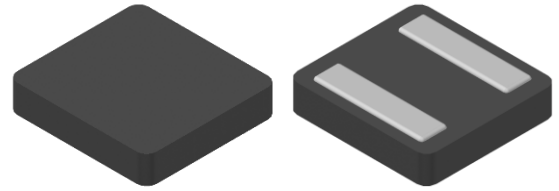


# CMI-CMMPF13030H2-SB SERIES

## Features

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

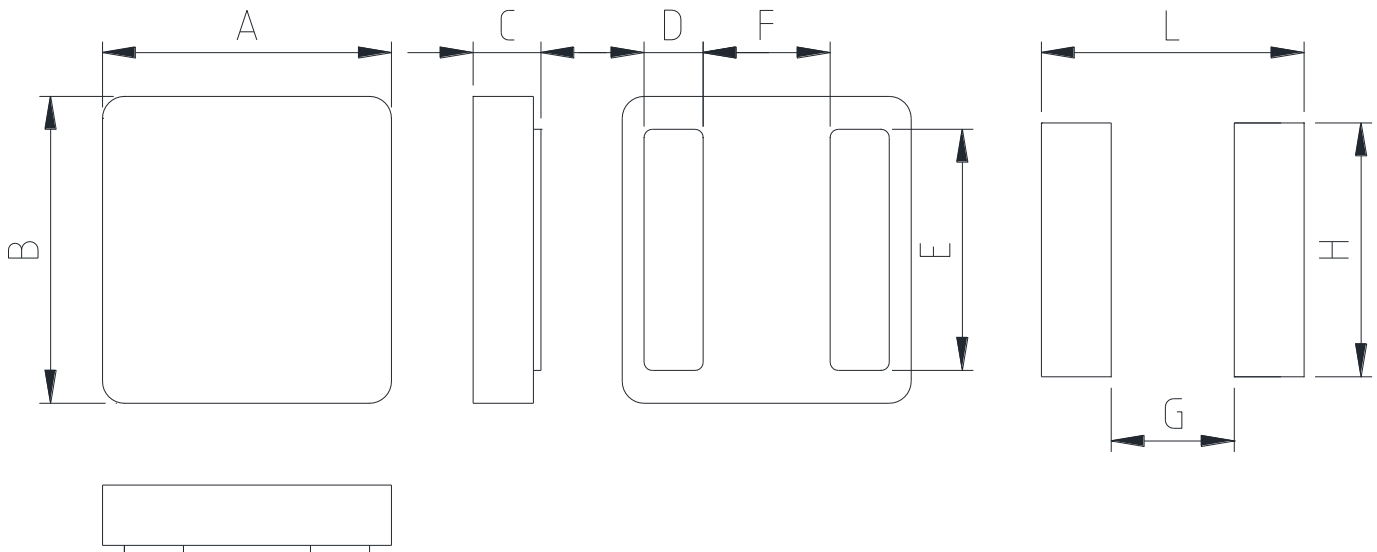


## Applications

- ▶ For DC/DC converter. (Notebook, Table PC, etc.)

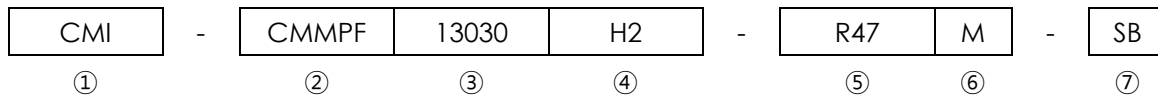
## Dimension (Unit:mm)

## Land Pattern (Unit:mm)



A	B	C	D	E	F	G	H	L
13.2 ±0.5	14.0 ±0.5	3.1 Max.	2.7 ±0.2	11.0 Typ.	5.8 Typ.	5.62	12.00	11.58

## 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 (0.47uH)
- ⑥ Inductance tolerance ( $\pm 20\%$ )
- ⑦ Type (SB)

## Specifications

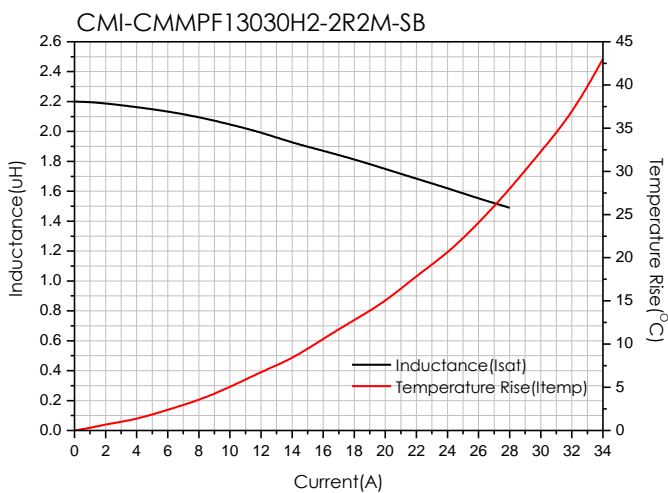
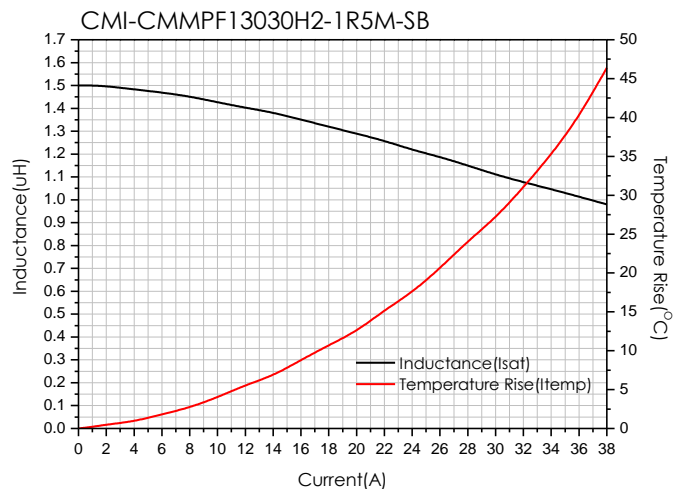
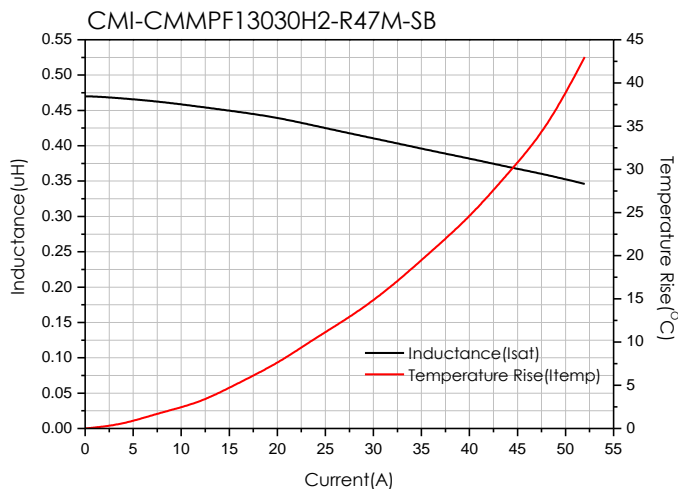
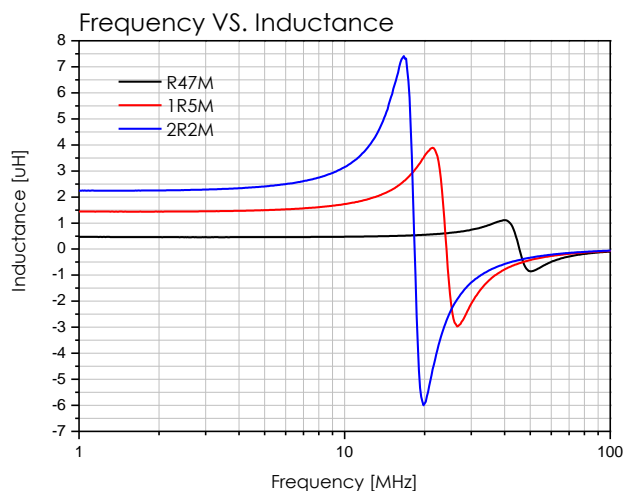
Part Number	Inductance (uH) $\pm 20\%$	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	Self Resonance Freq. (Hz)
CMI-CMMPF13030H2-R47M-SB	0.47	1.3(1.1)	48.0(52.0)	40.0(44.0)	45M
CMI-CMMPF13030H2-1R5M-SB	1.5	4.2(3.5)	27.0(29.0)	19.0(21.0)	24M
CMI-CMMPF13030H2-2R2M-SB	2.2	6.6(5.5)	22.0(24.0)	16.5(17.5)	18M

- Test Frequency : 1MHz
- 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**
- All specifications are subject to change without notice.
- Update date : 2023.07.11

# Electrical characteristics

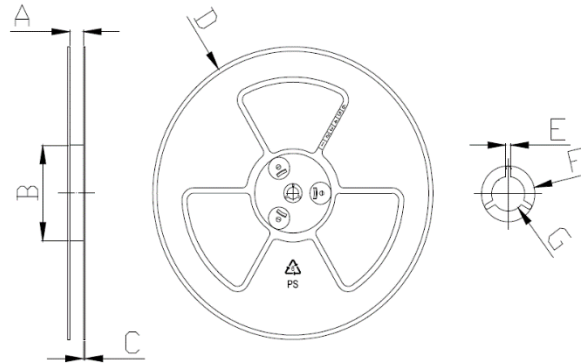


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## Packaging

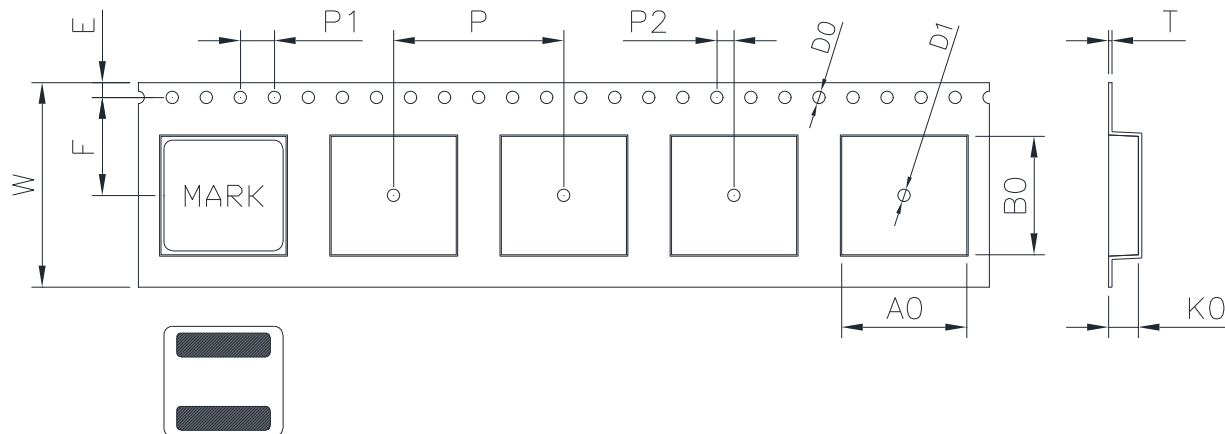
(1) Package quantity : 800 (pcs/reel)

(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
+1.00	+1.00	+0.10	+3.00	+0.30	+0.30	+0.50
-1.00	-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	14.70	13.90	3.50	1.75	11.50	20.00	4.00	2.00	1.50	0.40
+0.30	+0.10	+0.10	+0.10	+0.15	+0.10	+0.10	+0.10	+0.10	+0.10	+0.05
-0.30	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.00	-0.05

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