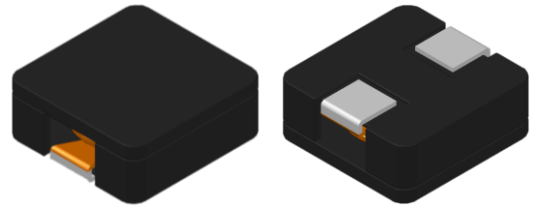


CMI-SSMF12035MH-SERIES

Features

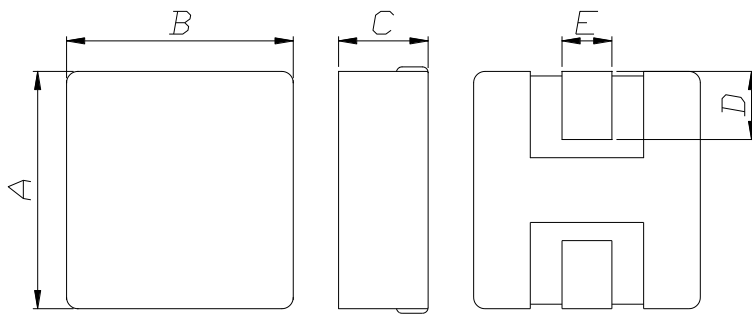
- ▶ High current and low profile/ Low DC resistance
- ▶ Magnetic shielding for high-density packaging
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free / RoHS compliant.
- ▶ AEC-Q200 qualified.



Applications

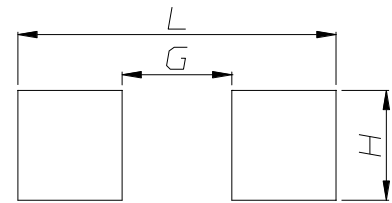
- ▶ Graphic cards / Industrial computers, DC/DC converters / Motherboards / Filter, High current switching regulators / Polyphase-switching regulations

Dimension (Unit:mm)



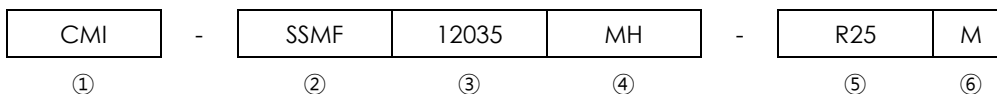
Value	A	B	C	D	E
R25~3R3	13.8	12.8±0.5	3.2±0.3	3.0±0.5	2.5±0.3
4R7~5R6	Max.				2.0±0.3

Land Pattern (Unit:mm)



L	G	H
15.0	6.0	5.0

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Metal material Square Shield Flat wire type Power inductor
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (0.25uH)
- ⑥ Inductance tolerance (±20%)

• You can also contact us by e-mail : coilmaster@coilmaster.com
 • All specifications are subject to change without notice.
 • Update date : 2021.03.10

Specifications

Part Number	Inductance (uH) ±20%	DCR(mohm) Max.(Typ.)	Isat(A) Typ.	Irms(A) Typ.	Test Frequency (Hz)
CMI-SSMF12035MH-R25M	0.25	0.90(0.70)	50.00	24.00	100k
CMI-SSMF12035MH-R68M	0.68	1.82(1.60)	40.00	22.00	100k
CMI-SSMF12035MH-1R2M	1.2	3.35(2.90)	28.00	17.00	100k
CMI-SSMF12035MH-2R2M	2.2	6.55(5.70)	18.00	14.00	100k
CMI-SSMF12035MH-3R3M	3.3	9.45(8.20)	14.00	11.00	100k
CMI-SSMF12035MH-4R7M	4.7	13.50(11.70)	12.50	9.00	100k
CMI-SSMF12035MH-5R6M	5.6	21.90(19.00)	11.00	6.80	100k

- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Irms: When based on the temperature increase (Temperature increase of approximately 50°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.

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Packaging

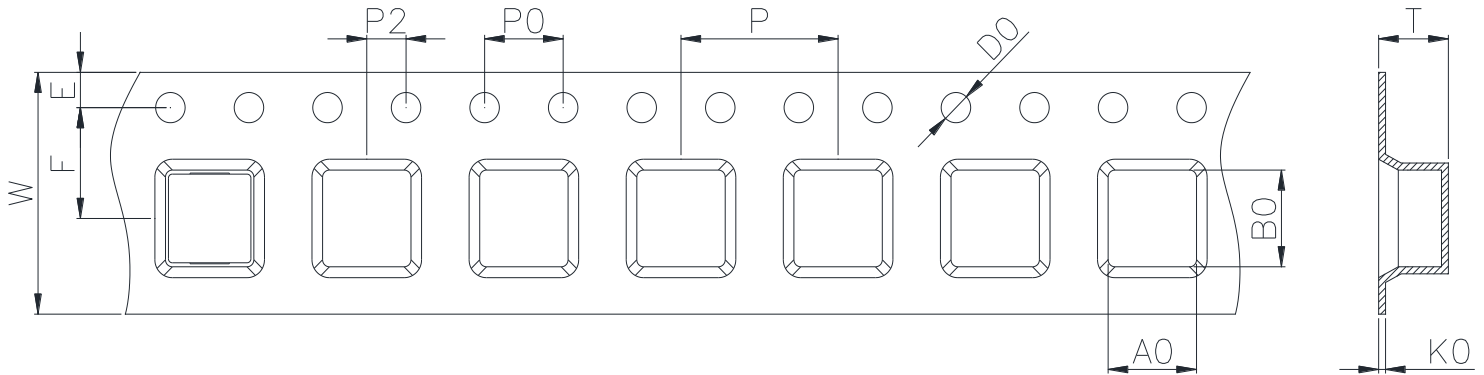
(1) Package quantity : 400 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
24.50	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/D1	T
24.00	13.70	13.70	4.40	1.75	11.50	16.00	4.00	2.00	1.50	0.40
+0.30	+0.10	+0.10	+0.20	+0.10	+0.10	+0.10	+0.10	+0.10	+0.05	+0.05
-0.30	-0.10	-0.10	-0.20	-0.10	-0.10	-0.10	-0.10	-0.10	-0.05	-0.05

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