

# CMI-SSBD12080NF-SERIES



## Picture



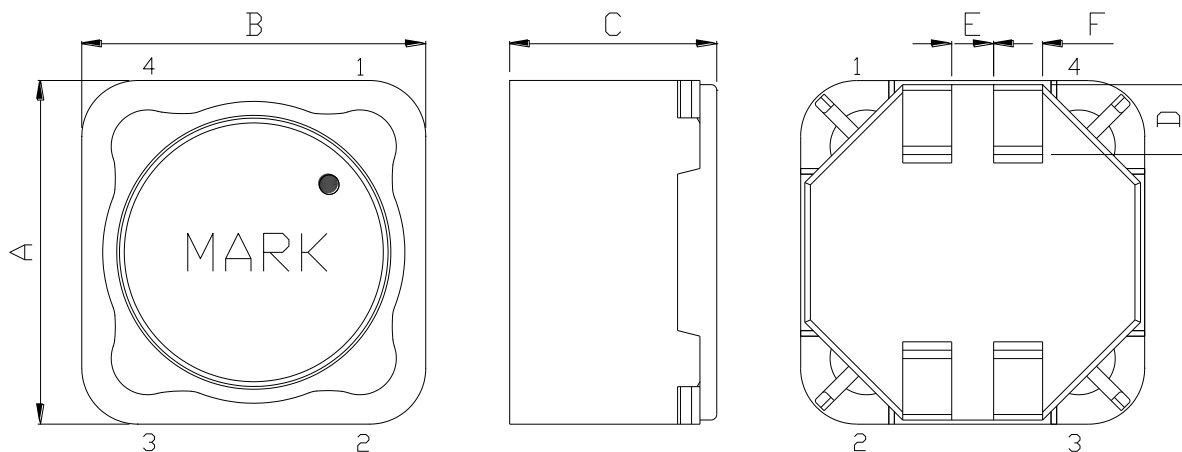
## Features

- ▶ High current, Low DCR.
- ▶ Available tape and reel for auto insertion.
- ▶ Coupling inductor (2in1)
- ▶ AEC-Q200 compliant
- ▶ RoHS compliant

## Applications

- ▶ SEPIC Circuit
- ▶ Equipment using for automobiles (ECM, airbags, headlights, Electronic Powder steering, motors, ABS, other)
- ▶ DC/DC Converters
- ▶ Common mode application

## Dimension (Unit:mm)



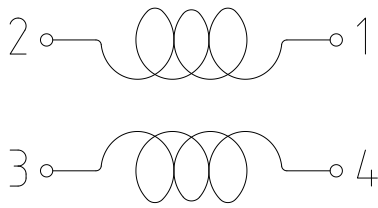
A	B	C	D	E	F
12.5 Max	12.5 Max	8.0 Max	2.5±0.2	1.5±0.2	1.75±0.2

• You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)

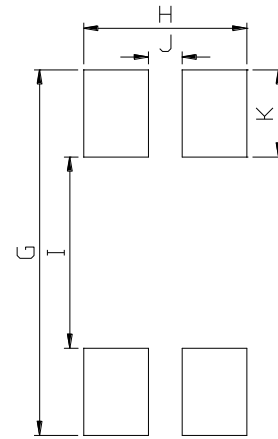
- All specifications are subject to change without notice.
- Update date : 2020.04.03

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## Schematic Diagram



## Recommended Pattern



G	H	I	J
13.0	5.8	6.8	1.2

## Specifications

Part Number	L ( $\mu\text{H}$ ) $\pm 20\%$	DCR(mohm) $\pm 30\%$		Isat(A)	Itemp(A)	
		1-2	3-4		1-2	3-4
CMI-SSBD12080NF-100M	10	35	40	7.40	4.30	4.10
CMI-SSBD12080NF-330M	33	70	85	3.40	4.00	3.90
CMI-SSBD12080NF-470M	47	90	110	3.30	2.80	2.50

- Test condition : 100kHz, 1V
- 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.

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