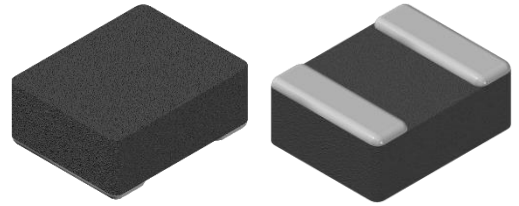


CMI-CMMPF201608BC-SERIES

Features

- ▶ Small size, high current and low profile
- ▶ Lower DCR with applying flat wire
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.
- ▶ AEC-Q200 qualified.

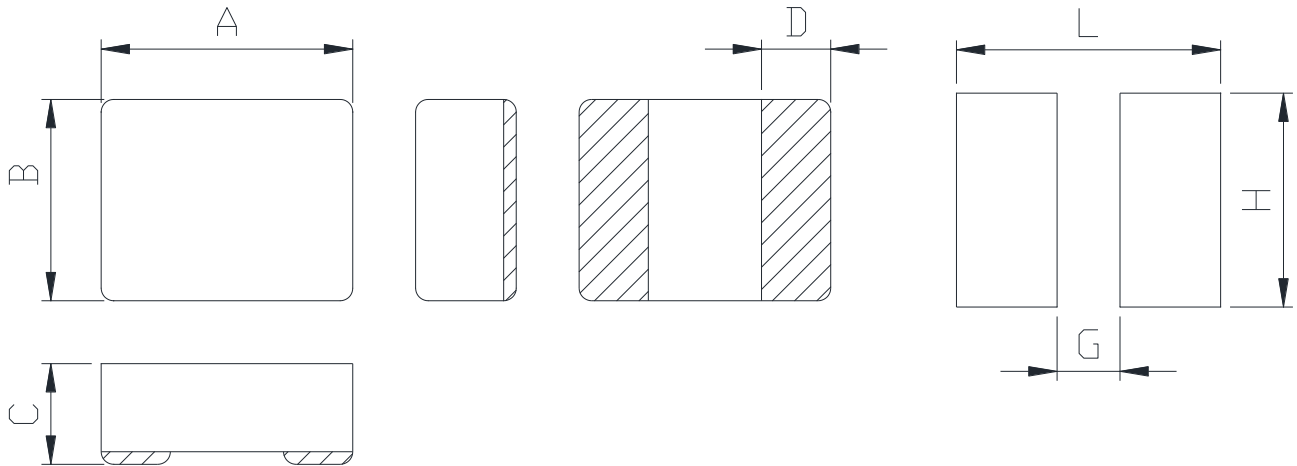


Applications

- ▶ Car navigation, Car Audio, ADAS ECU,
In-C-Vehicle camera (View camera, Sensing camera), Automotive communication module.

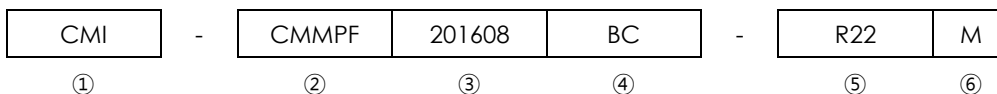
Dimension (Unit:mm)

Land Pattern (Unit:mm)



A	B	C	D	L	G	H
2.0 ±0.2	1.6 ±0.2	0.8 Max.	0.5 ±0.3	2.4	0.8	1.8

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Metal Molded Flat wire Power inductor
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Typical inductance value (0.22uH)
- 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-CMMPF201608BC-R22M	0.22	17(14)	6.4(7.0)	5.2(5.8)	1M
CMI-CMMPF201608BC-R47M	0.47	24(20)	4.7(5.2)	4.5(4.9)	1M
CMI-CMMPF201608BC-1R0M	1.0	52(41)	4.1(4.4)	3.6(3.8)	1M
CMI-CMMPF201608BC-1R5M	1.5	120(100)	2.1(2.3)	1.9(2.1)	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 ~ +150 °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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▪ **You can also contact us by e-mail : coilmaster@coilmaster.com**

- All specifications are subject to change without notice.
- Update date : 2024.04.23

www.coilmaster.com