

# CMI-CMMPP10055LH-SERIES



## Features

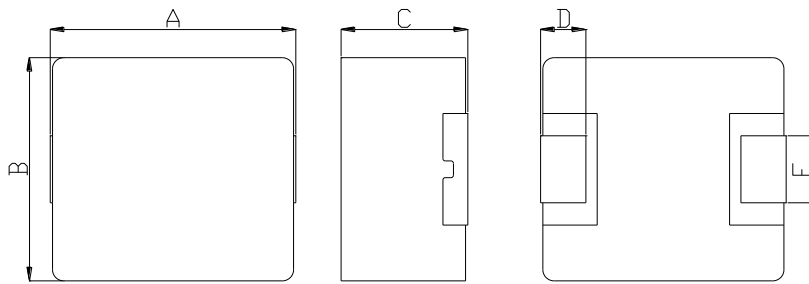
- ▶ High current and low profile.
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free
- ▶ RoHS compliant
- ▶ AEC-Q200 qualified.



## Applications

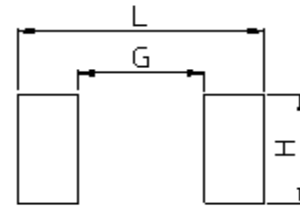
- ▶ Equipment using for automobiles (ECM, airbags, headlights, electronic Powder steering, motors, ABS, other)

Dimension (Unit:mm)



A	B	C	D	E
10.85±0.5	10.0±0.4	4.0 Max	2.0±0.3	3.0±0.2

Land Pattern (Unit:mm)



L	G	H
13.6	5.4	4.1

## Specifications

Part Number	Inductance (uH) ±20%	DCR(mohm) Max(Typ)	Isat(A) Max(Typ)	Itemp(A) Max(Typ)	Test Frequency (Hz)
CMI-CMMPP10055LH-1R5M	1.5	4.2(3.8)	32.00(36.00)	20.00(22.00)	1M
CMI-CMMPP10055LH-4R7M	4.7	12(10)	19.00(21.50)	17.00(18.00)	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 ~ +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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- All specifications are subject to change without notice.
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