

# CMI-CMMPP5020HL-SERIES



## Features

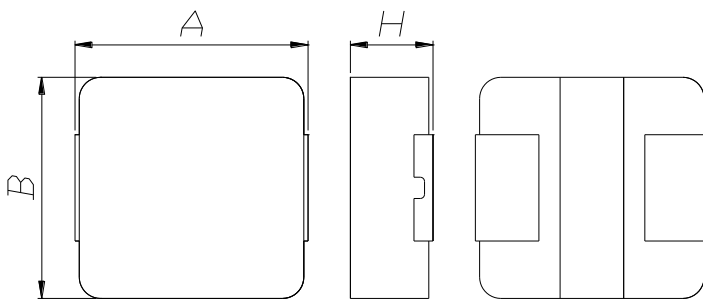
- ▶ High current and low profile.
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free
- ▶ RoHS compliant
- ▶ AEC-Q200 qualified.



## Applications

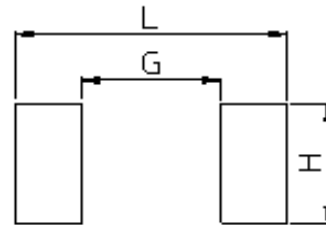
- ▶ Equipment using for automobiles (ECM, airbags, headlights, electronic Powder steering, motors, ABS, other)

### Dimension (Unit:mm)



| A        | B        | H       |
|----------|----------|---------|
| 5.4±0.35 | 5.2±0.25 | 2.0 Max |

### Land Pattern (Unit:mm)



| L   | G   | H   |
|-----|-----|-----|
| 6.0 | 2.2 | 2.5 |

## Specifications

| Part Number          | Inductance (uH) ±20% | DCR(mohm) Max(Typ) | IDC1(A) Max(Typ) | IDC2(A) Max(Typ) | Test Frequency (Hz) |
|----------------------|----------------------|--------------------|------------------|------------------|---------------------|
| CMI-CMMPP5020HL-1R0M | 1.0                  | 20.0(18.0)         | 8.60(10.00)      | 7.50(8.50)       | 1M                  |
| CMI-CMMPP5020HL-2R2M | 2.2                  | 34.5(29.0)         | 6.30(7.00)       | 4.50(5.00)       | 1M                  |
| CMI-CMMPP5020HL-6R8M | 6.8                  | 132.0(110.0)       | 4.00(4.50)       | 2.70(2.90)       | 1M                  |
|                      |                      |                    |                  |                  |                     |
|                      |                      |                    |                  |                  |                     |
|                      |                      |                    |                  |                  |                     |
|                      |                      |                    |                  |                  |                     |

- IDC1: When based on the inductance change rate (approximately 30% below in the initial value)
- IDC2: 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

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- All specifications are subject to change without notice.
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