

# CMI-CMMPP10040LL-SERIES



## Features

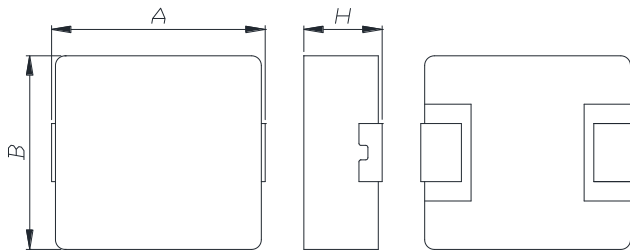
- ▶ High current and low profile.
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free
- ▶ RoHS compliant
- ▶ AEC-Q200 qualified.

## Applications

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

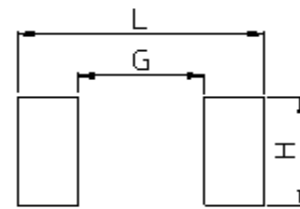


Dimension (Unit:mm)



| A         | B        | H       |
|-----------|----------|---------|
| 10.85±0.5 | 10.0±0.4 | 4.0 Max |

Land Pattern (Unit:mm)



| L    | G   | H   |
|------|-----|-----|
| 13.6 | 5.4 | 4.1 |

## Specifications

| Part Number           | Inductance (uH) ±20% | DCR(mohm) Max(Typ) | IDC1(A) Max(Typ) | IDC2(A) Max(Typ) | Test Frequency (Hz) |
|-----------------------|----------------------|--------------------|------------------|------------------|---------------------|
| CMI-CMMPP10040LL-R78M | 0.78                 | 1.9(1.8)           | 28.00(32.00)     | 19.00(21.00)     | 1M                  |
| CMI-CMMPP10040LL-1R0M | 1.0                  | 3.2(2.6)           | 25.00(28.00)     | 14.20(15.80)     | 1M                  |
| CMI-CMMPP10040LL-2R2M | 2.2                  | 9.6(8.0)           | 22.00(24.00)     | 14.00(15.00)     | 1M                  |
| CMI-CMMPP10040LL-4R7M | 4.7                  | 15.0(12.5)         | 16.00(17.00)     | 12.00(13.00)     | 1M                  |
| CMI-CMMPP10040LL-6R8M | 6.8                  | 19.2(16.0)         | 13.50(14.50)     | 9.00(9.50)       | 1M                  |
| CMI-CMMPP10040LL-100M | 10                   | 31.2(26.0)         | 9.50(10.50)      | 7.00(7.50)       | 1M                  |
| CMI-CMMPP10040LL-150M | 15                   | 48.0(40.0)         | 9.00(10.00)      | 6.00(6.50)       | 1M                  |
| CMI-CMMPP10040LL-220M | 22                   | 57.6(48.0)         | 7.50(8.00)       | 5.80(6.20)       | 1M                  |
| CMI-CMMPP10040LL-330M | 33                   | 108.0(90.0)        | 4.80(5.30)       | 4.80(5.30)       | 1M                  |
| CMI-CMMPP10040LL-470M | 47                   | 156.0(130.0)       | 4.50(4.80)       | 3.50(3.70)       | 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.
- Update date : 2018.10.25