

CMI-DP6040NH-SERIES



Features

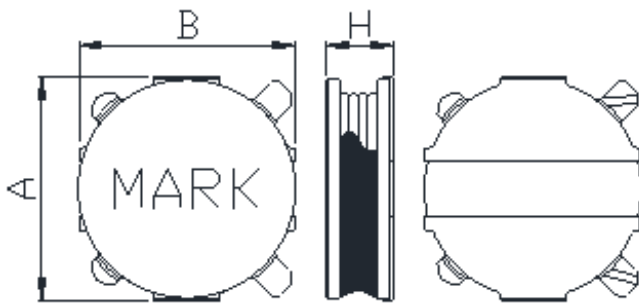
- ▶ SMD inductor.
- ▶ Resin shielded construction.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

Applications

- ▶ For small DC/DC converter (LCD/LED/OLED display, HDD, DSC etc).
- ▶ For Power supply circuits.

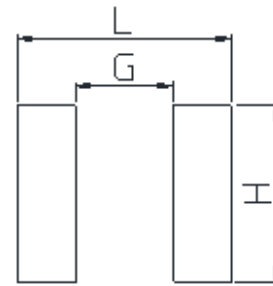


Dimension (Unit:mm)



| A | B | H |
|---------|---------|--------|
| 6.0±0.2 | 6.0±0.2 | 4.0Max |

Land Pattern (Unit:mm)



| L | G | H |
|------|------|------|
| 6.20 | 2.80 | 5.70 |

Specifications

| Part Number | Inductance (uH) | Tolerance (±) | DCR (mohm) ±20% | Isat(A) Max | Itemp(A) Max | Test Frequency (Hz) |
|-------------------|-----------------|---------------|-----------------|-------------|--------------|---------------------|
| CMI-DP6040NH-1R0M | 1.0 | 20% | 8 | 9.00 | 6.30 | 100k |
| CMI-DP6040NH-100M | 10 | 20% | 48 | 3.20 | 2.50 | 100k |
| CMI-DP6040NH-150M | 15 | 20% | 98 | 2.80 | 2.20 | 100k |
| CMI-DP6040NH-220M | 22 | 20% | 89 | 2.05 | 1.80 | 100k |
| CMI-DP6040NH-330M | 33 | 20% | 135 | 1.65 | 1.45 | 100k |
| | | | | | | |

- Isat: When based on the inductance change rate (approximately 20% below in the initial value)
- Itemp: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating temperature range : -40°C ~ +125°C (Including self-heating)

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.
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