

CMI-DP5040NH-SERIES



Features

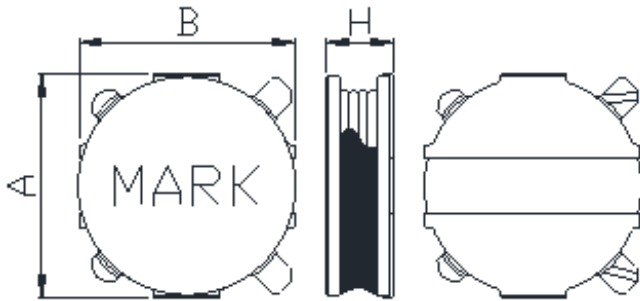
- ▶ SMD inductor.
- ▶ Resin shielded construction.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

Applications

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

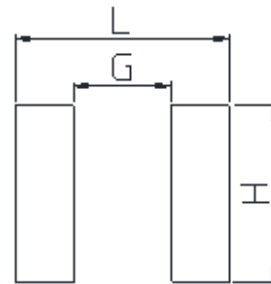


Dimension (Unit:mm)



| A | B | H |
|---------|---------|--------|
| 5.0±0.2 | 5.0±0.2 | 4.0Max |

Land Pattern (Unit:mm)



| L | G | H |
|------|------|------|
| 5.10 | 2.30 | 4.20 |

Specifications

| Part Number | Inductance (uH) | Tolerance (±) | DCR (mohm) ±20% | Isat(A) Max | Itemp(A) Max | Test Frequency (Hz) |
|-------------------|-----------------|---------------|-----------------|-------------|--------------|---------------------|
| CMI-DP5040NH-1R0M | 1.0 | 20% | 17 | 6.40 | 4.50 | 100k |
| CMI-DP5040NH-2R2M | 2.2 | 20% | 18 | 5.10 | 4.30 | 100k |
| CMI-DP5040NH-3R3M | 3.3 | 20% | 24 | 4.00 | 3.40 | 100k |
| CMI-DP5040NH-4R7M | 4.7 | 20% | 30 | 3.60 | 3.00 | 100k |
| CMI-DP5040NH-6R8M | 6.8 | 20% | 42 | 3.00 | 2.50 | 100k |
| CMI-DP5040NH-100M | 10 | 20% | 64 | 2.40 | 2.10 | 100k |
| CMI-DP5040NH-150M | 15 | 20% | 85 | 2.10 | 2.00 | 100k |
| CMI-DP5040NH-220M | 22 | 20% | 128 | 1.70 | 1.60 | 100k |

- You can also contact us by e-mail : coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date : 2015.11.19

| Part Number | Inductance (uH) | Tolerance (±) | DCR (mohm) ±20% | Isat(A) Max | Itemp(A) Max | Test Frequency (Hz) |
|-------------------|-----------------|---------------|-----------------|-------------|--------------|---------------------|
| CMI-DP5040NH-330M | 33 | 20% | 185 | 1.30 | 1.25 | 100k |
| CMI-DP5040NH-470M | 47 | 20% | 270 | 1.10 | 1.00 | 100k |
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- 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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