

CMI-DP5014NH-SERIES



Features

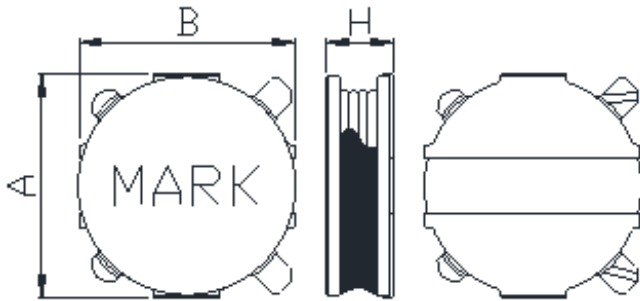
- ▶ SMD inductor.
- ▶ Resin shielded construction.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

Applications

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

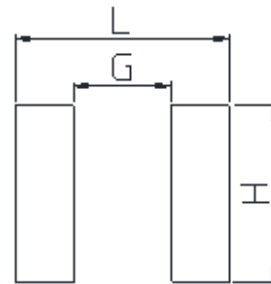


Dimension (Unit:mm)



| A | B | H |
|---------|---------|--------|
| 5.0±0.2 | 5.0±0.2 | 1.4Max |

Land Pattern (Unit:mm)



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

Specifications

| Part Number | Inductance (uH) | Tolerance (±) | DCR (mohm) ±20% | I _{sat} (A) Max | I _{temp} (A) Max | Test Frequency (Hz) |
|-------------------|-----------------|---------------|-----------------|--------------------------|---------------------------|---------------------|
| CMI-DP5014NH-R47M | 0.47 | 20% | 25 | 5.80 | 3.30 | 100k |
| CMI-DP5014NH-1R0M | 1.0 | 20% | 40 | 4.00 | 2.50 | 100k |
| CMI-DP5014NH-2R2M | 2.2 | 20% | 65 | 2.80 | 2.00 | 100k |
| CMI-DP5014NH-3R3M | 3.3 | 20% | 80 | 2.40 | 1.70 | 100k |
| CMI-DP5014NH-4R7M | 4.7 | 20% | 100 | 2.10 | 1.40 | 100k |
| CMI-DP5014NH-6R8M | 6.8 | 20% | 150 | 1.70 | 1.20 | 100k |
| CMI-DP5014NH-100M | 10 | 20% | 200 | 1.40 | 1.10 | 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-DP5014NH-150M | 15 | 20% | 320 | 1.20 | 0.65 | 100k |
| CMI-DP5014NH-220M | 22 | 20% | 450 | 0.95 | 0.60 | 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

Ilsan Sales Office (KOREA) +82)31-904-1444
 Shenzhen Sales Office (CHINA) +86)755-8663-6929
 Hungary Sales office (EUROPE) +36)30-913-7706

H.K Sales Office (HONGKONG) +852)2711-5551
 LA Sales Office (USA) +1)866-446-3586

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

www.coilmaster.com