

CMI-DOP5018NH-SERIES

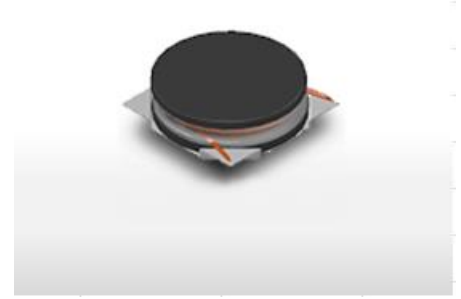


Features

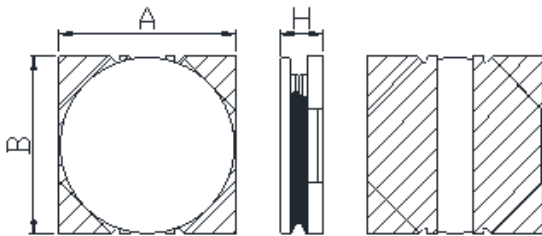
- ▶ Small and Low profile inductor.
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Available tape and reel for auto insertion.
- ▶ RoHS compliant
- ▶ Halogen-Free

Applications

- ▶ For small DC/DC converter
(cellular phone, LCD/LED/OLED display, HDD, DSC etc).

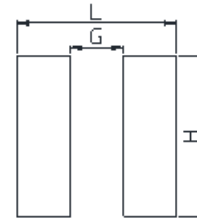


Dimension (Unit:mm)



| A | B | H |
|---------|---------|--------|
| 5.0±0.2 | 5.0±0.2 | 1.8Max |

Land Pattern (Unit:mm)



| L | G | H |
|-----|-----|-----|
| 5.2 | 1.1 | 5.2 |

Specifications

| Part Number | Inductance (uH) | Tolerance (±) | DCR (mohm) ±20% | Isat(A) Max | Itemp(A) Max | Test Frequency (Hz) |
|--------------------|-----------------|---------------|-----------------|-------------|--------------|---------------------|
| CMI-DOP5018NH-1R0N | 1.0 | 30% | 25 | 5.80 | 4.00 | 1M |
| CMI-DOP5018NH-2R2N | 2.2 | 30% | 42 | 4.00 | 3.00 | 1M |
| CMI-DOP5018NH-3R3N | 3.3 | 30% | 62 | 3.20 | 2.30 | 1M |
| CMI-DOP5018NH-4R7N | 4.7 | 30% | 75 | 2.80 | 2.10 | 1M |
| CMI-DOP5018NH-6R8N | 6.8 | 30% | 126 | 2.20 | 1.70 | 1M |
| CMI-DOP5018NH-100M | 10 | 20% | 163 | 1.90 | 1.40 | 1M |
| CMI-DOP5018NH-220M | 22 | 20% | 345 | 1.30 | 1.00 | 1M |
| | | | | | | |
| | | | | | | |

- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Itemp: When based on the temperature increase (Temperature increase of approximately 40°C by 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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