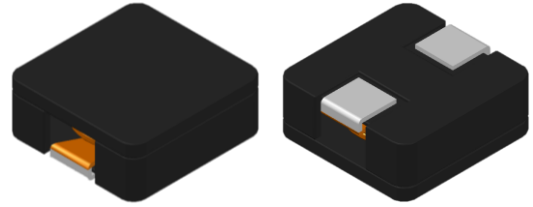


CMI-SSMF10030MH-SERIES

Features

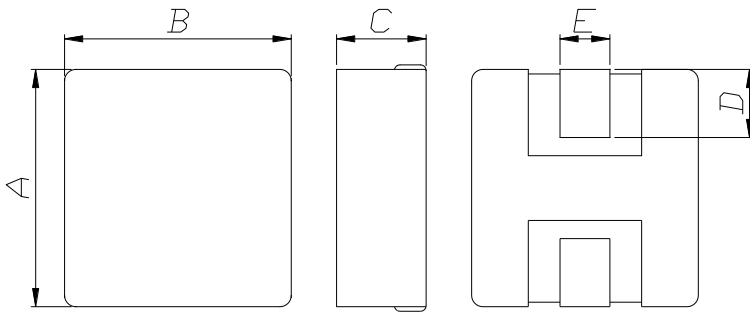
- ▶ High current and low profile
- ▶ Low DC resistance
- ▶ Magnetic shielding for high-density packaging
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free / RoHS compliant.



Applications

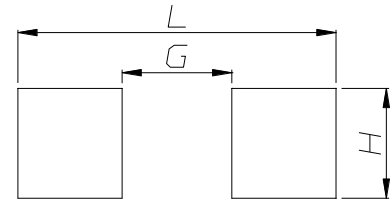
- ▶ Graphic cards / Industrial computers, DC/DC converters / Motherboards / Filter, High current switching regulators / Polyphase-switching regulations

Dimension (Unit:mm)



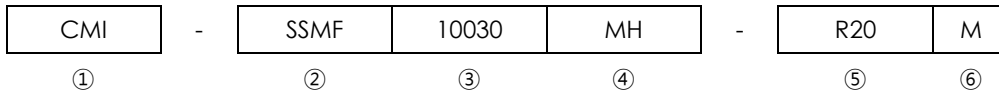
| A | B | C | D | E |
|-----------|----------|---------|---------|---------|
| 11.2 Max. | 10.2±0.5 | 3.0±0.3 | 2.5±0.5 | 2.0±0.5 |

Land Pattern (Unit:mm)



| L | G | H |
|------|-----|-----|
| 11.5 | 3.8 | 4.0 |

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Metal material Square Shield Flat wire type Power inductor
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (0.20uH)
- ⑥ Inductance tolerance (±20%)

• You can also contact us by e-mail : coilmaster@coilmaster.com
 • All specifications are subject to change without notice.
 • Update date : 2021.03.10

Specifications

| Part Number | Inductance (uH) ±20% | DCR(mohm) Max.(Typ.) | Isat(A) Typ. | Irms(A) Typ. | Test Frequency (Hz) |
|----------------------|----------------------|----------------------|--------------|--------------|---------------------|
| CMI-SSMF10030MH-R20M | 0.20 | 0.95(0.82) | 50.00 | 22.00 | 100k |
| CMI-SSMF10030MH-R47M | 0.47 | 2.50(2.15) | 32.00 | 18.00 | 100k |
| CMI-SSMF10030MH-1R0M | 1.0 | 4.70(4.08) | 21.00 | 15.00 | 100k |
| CMI-SSMF10030MH-1R5M | 1.5 | 7.60(6.58) | 18.00 | 12.00 | 100k |
| CMI-SSMF10030MH-2R2M | 2.2 | 13.30(11.50) | 15.00 | 9.00 | 100k |
| CMI-SSMF10030MH-2R5M | 2.5 | 13.30(11.50) | 12.00 | 9.00 | 100k |
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- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Irms: When based on the temperature increase (Temperature increase of approximately 50°C by self heating)
- Operating Temperature Range(including self temperature) : -40°C ~ +125 °C

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.

Packaging

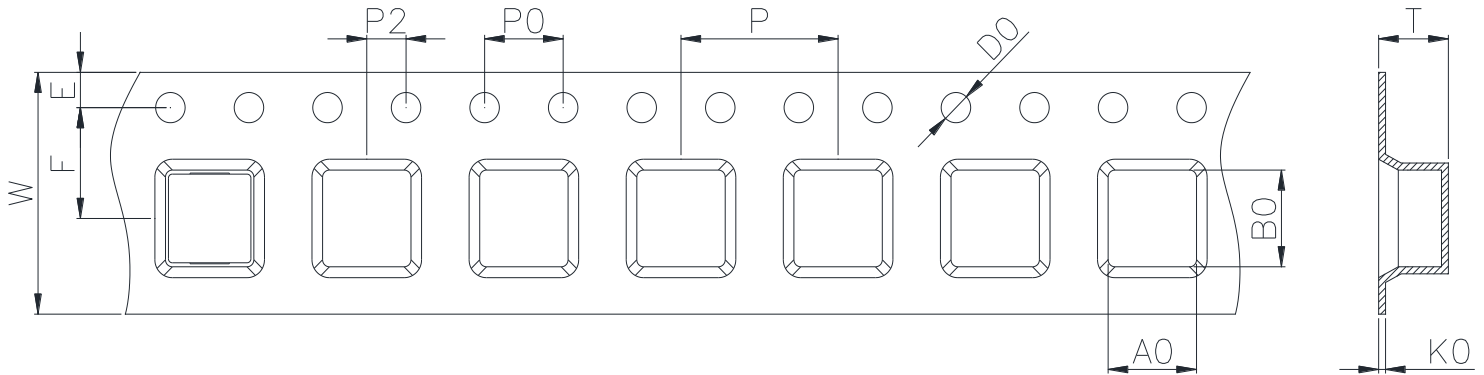
(1) Package quantity : 800 (pcs/reel)

(2) Reel Dimensions (unit:mm)



| A | B | C | D | E | F | G |
|-------|-------|-------|-------|-------|-------|-------|
| 24.50 | 100.0 | 2.30 | 330.0 | 2.30 | 21.50 | 13.00 |
| +0.50 | +1.00 | +0.20 | +3.00 | +0.30 | +0.30 | +0.50 |
| -0.50 | -1.00 | -0.20 | -3.00 | -0.30 | -0.30 | -0.20 |

(3) Tape Dimensions



| W | A0 | B0 | K0 | E | F | P | P0 | P2 | D0/D1 | T |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 24.00 | 10.80 | 11.00 | 4.00 | 1.75 | 11.50 | 16.00 | 4.00 | 2.00 | 1.50 | 0.40 |
| +0.30 | +0.10 | +0.10 | +0.10 | +0.10 | +0.10 | +0.10 | +0.10 | +0.10 | +0.05 | +0.05 |
| -0.30 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.05 | -0.05 |

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• You can also contact us by e-mail : coilmaster@coilmaster.com

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