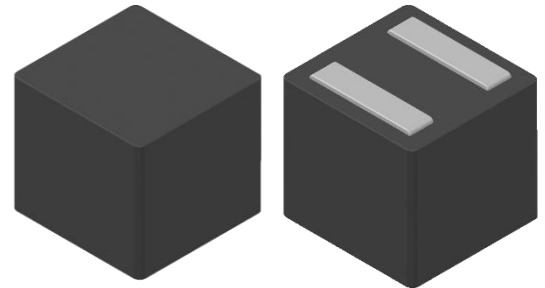


CMI-MMPF6060QL-SB SERIES

Features

- ▶ Metal powder molding type for EMC protection.
- ▶ Lower DCR with applying flat wire.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free.
- ▶ RoHS compliant.

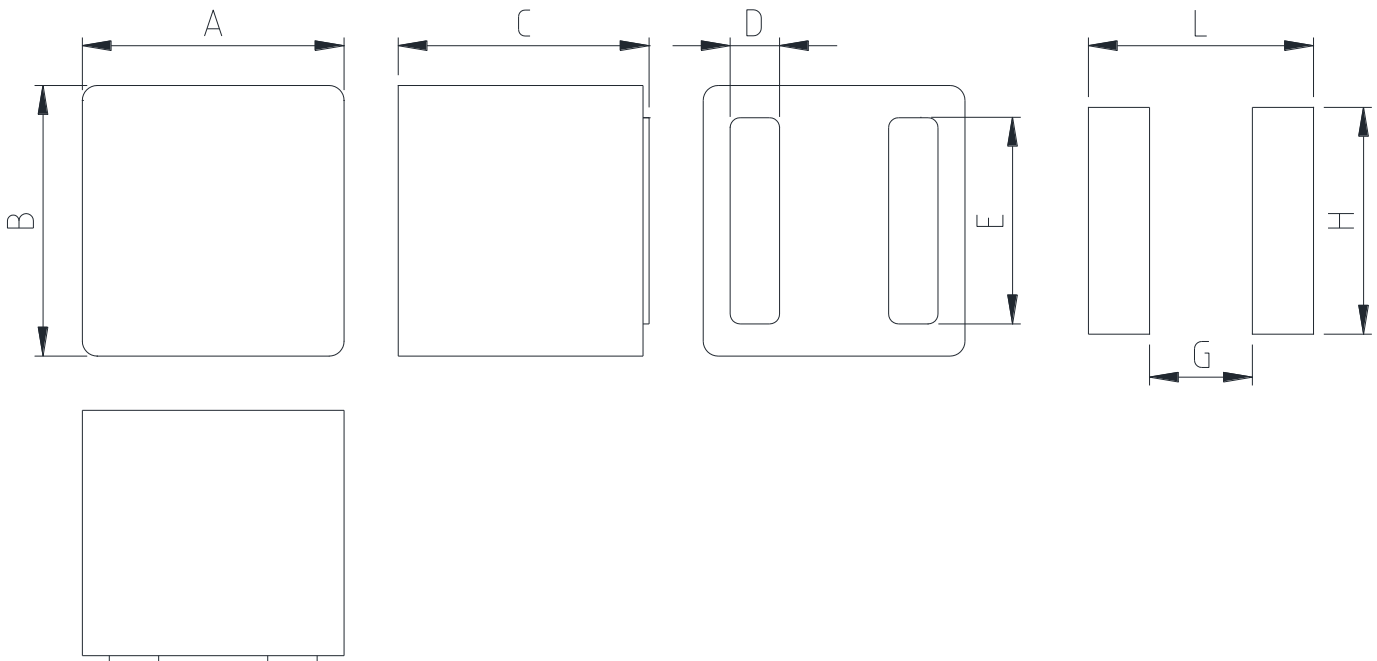


Applications

- ▶ For DC/DC Converter

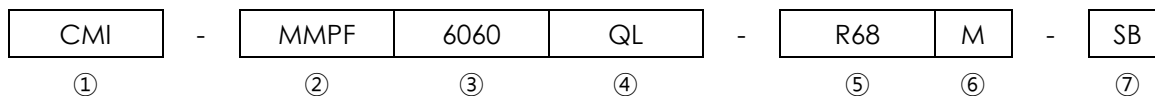
Dimension (Unit:mm)

Land Pattern (Unit:mm)



| A | B | C | D | E | F | G | H | L |
|----------|----------|----------|----------|----------|-----------|------|------|------|
| 6.5 ±0.3 | 6.7 ±0.3 | 6.1 Max. | 1.2 ±0.2 | 5.0 Typ. | 2.65 Typ. | 2.50 | 5.50 | 5.47 |

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Metal Molded Power inductor Flat wire type.
- ③ Core Size (unit:mm)
- ④ Material
- ⑤ Typical inductance value (0.68uH)
- ⑥ Inductance tolerance (±20%)
- ⑦ Type (SB)

Specifications

| Part Number | Inductance (uH) ±20% | DCR(mohm) Max.(Typ.) | Isat(A) Max.(Typ.) | Itemp(A) Max.(Typ.) | Test Frequency (Hz) |
|------------------------|-------------------------|-------------------------|-----------------------|------------------------|---------------------------|
| CMI-MMPF6060QL-R68M-SB | 0.68 | 3.36(2.8) | 30.0(35.0) | 20.0(21.0) | 1M |
| CMI-MMPF6060QL-2R2M-SB | 2.2 | 4.8(4.0) | 14.0(16.0) | 16.5(17.5) | 1M |
| CMI-MMPF6060QL-3R3M-SB | 3.3 | 10.8(9.0) | 13.0(14.0) | 12.0(12.5) | 1M |
| CMI-MMPF6060QL-4R7M-SB | 4.7 | 16.2(13.5) | 10.0(11.0) | 9.2(9.7) | 1M |
| CMI-MMPF6060QL-5R6M-SB | 5.6 | 16.8(14) | 9.0(10.5) | 9.0(9.5) | 1M |
| CMI-MMPF6060QL-6R8M-SB | 6.8 | 21(18) | 8.6(9.5) | 7.6(8.0) | 1M |
| CMI-MMPF6060QL-8R2M-SB | 8.2 | 30(25) | 7.5(8.5) | 6.0(6.5) | 1M |
| CMI-MMPF6060QL-100M-SB | 10.0 | 36(30) | 7.0(7.5) | 5.7(6.2) | 1M |
| CMI-MMPF6060QL-150M-SB | 15.0 | 48.6(40.5) | 5.5(6.0) | 5.0(5.5) | 1M |
| CMI-MMPF6060QL-220M-SB | 22.0 | 60(50) | 5.0(5.6) | 4.5(5.0) | 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)
- Operating Temperature Range (including self temperature) : -40°C ~ +125 °c

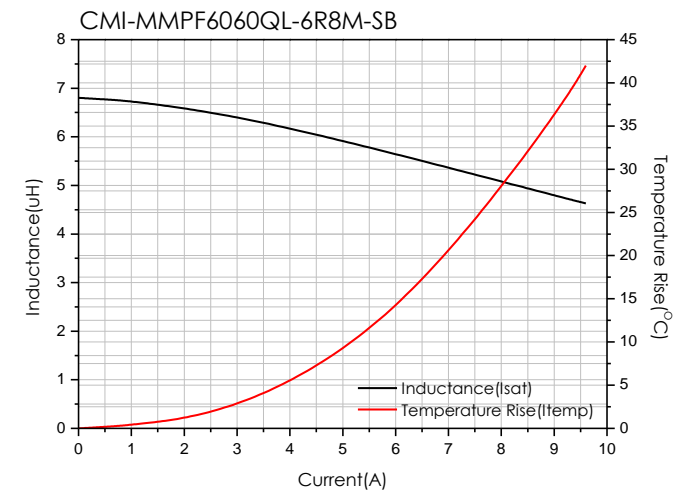
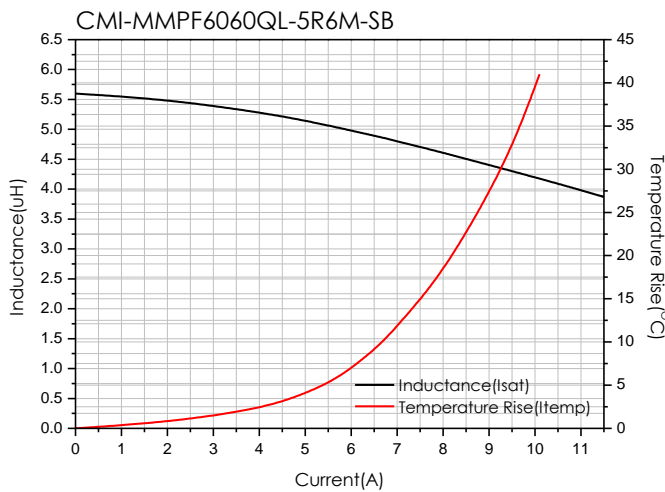
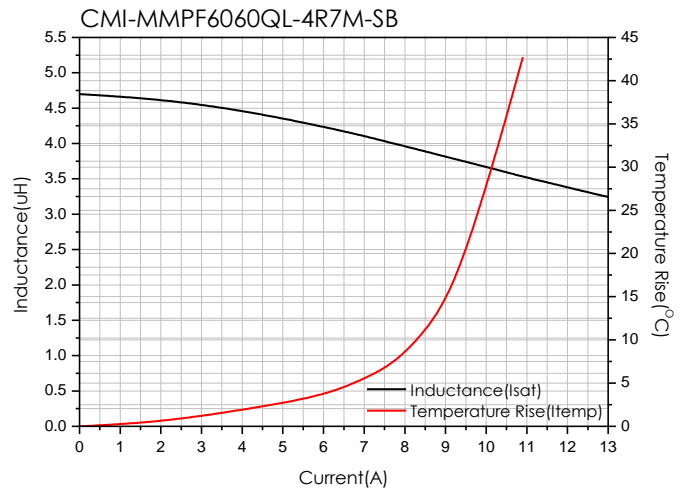
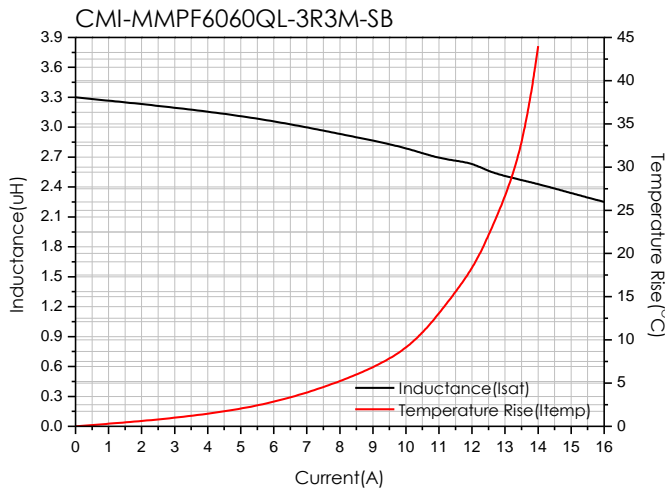
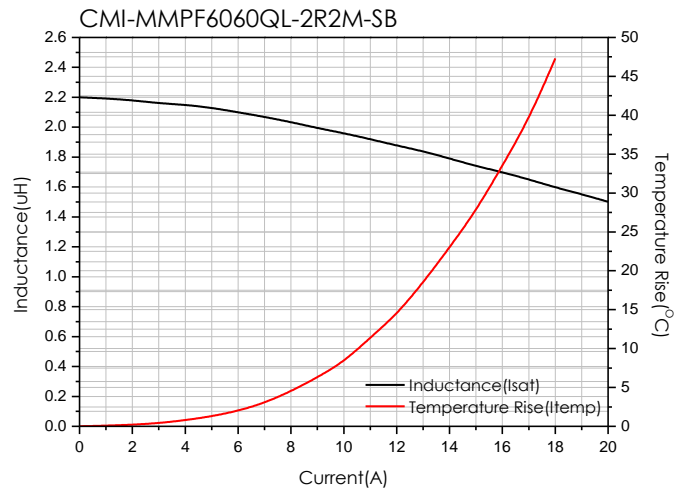
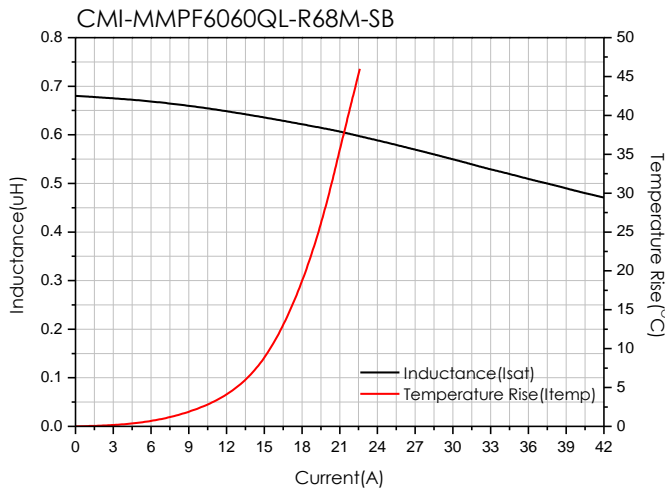
Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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

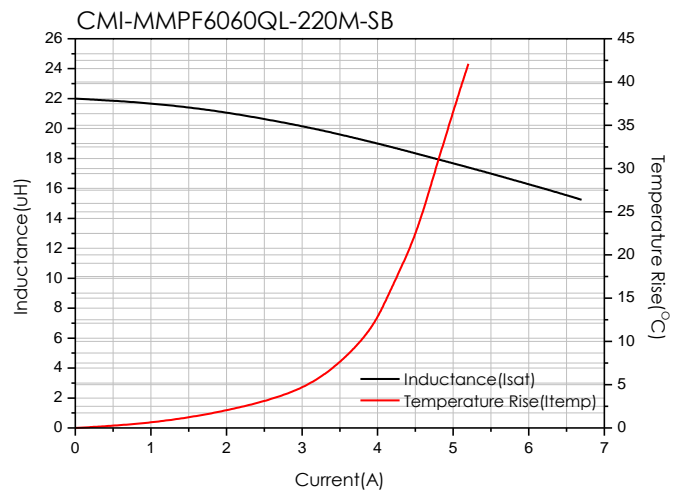
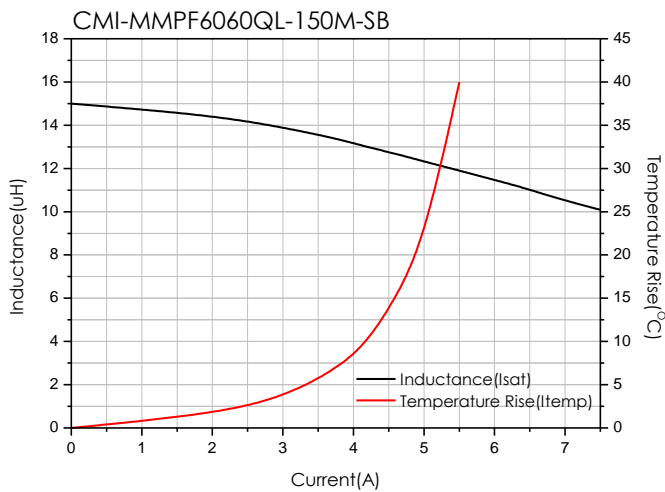
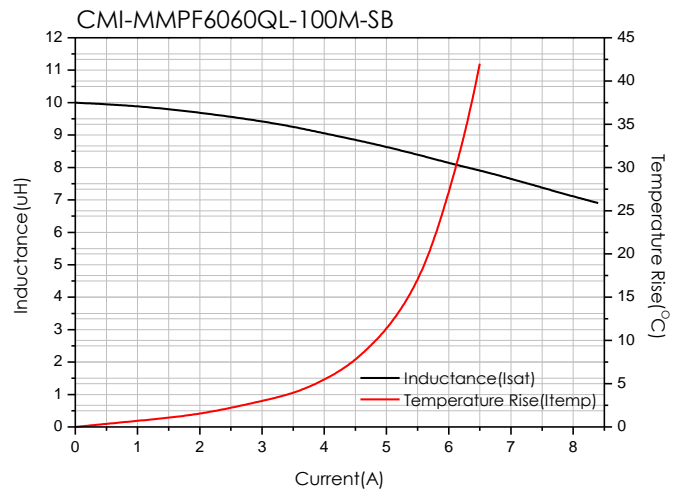
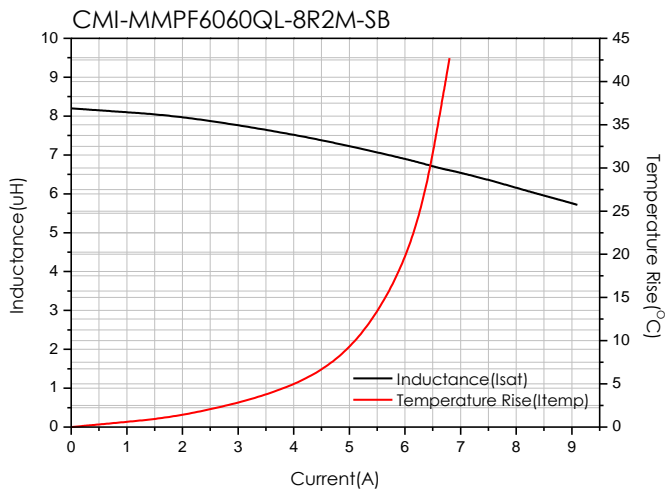
- All specifications are subject to change without notice.
- Update date : 2024.06.12

www.coilmaster.com

Electrical characteristics



- You can also contact us by e-mail : coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date : 2024.06.12

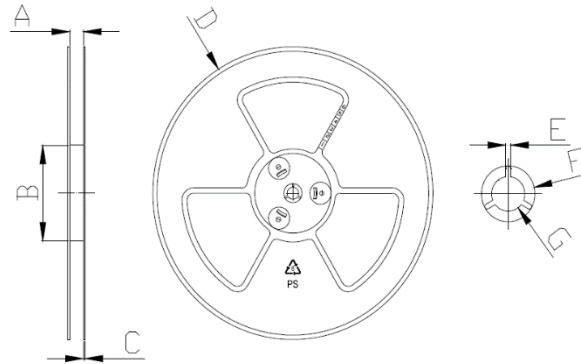


- You can also contact us by e-mail : coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date : 2024.06.12

Packaging

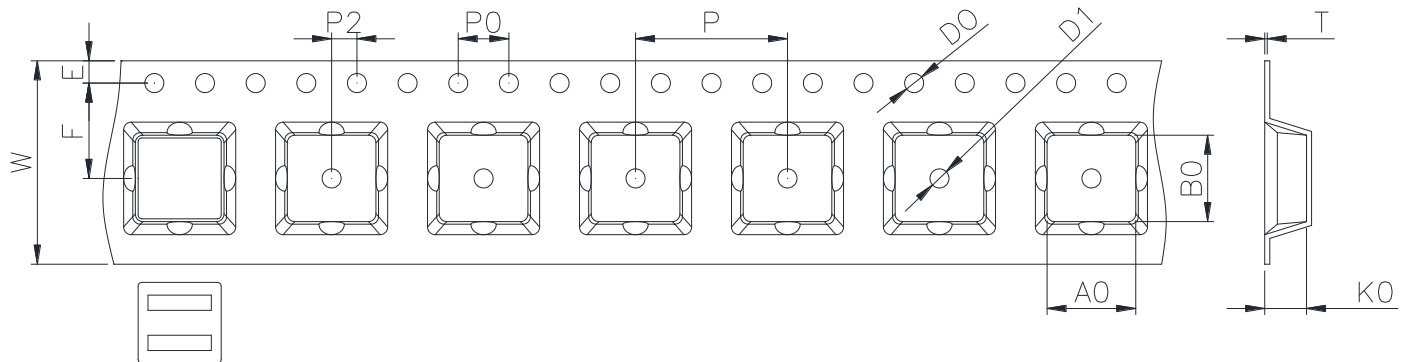
(1) Package quantity : 750 (pcs/reel)

(2) Reel Dimensions (unit:mm)



| A | B | C | D | E | F | G |
|-------|-------|-------|-------|-------|-------|-------|
| 16.50 | 100.0 | 2.00 | 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 | KO | E | F | P | P0 | P2 | D0/D1 | T |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 16.00 | 7.00 | 6.80 | 6.30 | 1.75 | 7.50 | 12.00 | 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 | +0.10 | +0.05 |
| -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.10 | -0.00 | -0.05 |

Korea Sales Office (KOREA) +82)31-904-1444
 China Sales Office (CHINA) +86)0758-683-1444
 Hungary Sales office (EUROPE) +36)1-404-5832

H.K Sales Office (HONGKONG) +852)2711-5551
 LA Sales Office (USA) +1)714-616-6989

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

- All specifications are subject to change without notice.
- Update date : 2024.06.12

www.coilmaster.com