

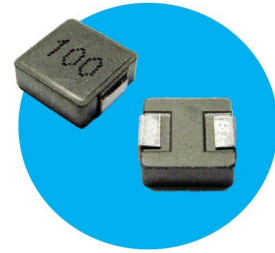
Power Inductors

Model HM72L-0624 series



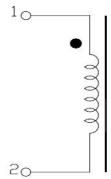
Features:

- Operating Temperature Range -55°C to $+125^{\circ}\text{C}$
- Ambient Temperature, Maximum $+85^{\circ}\text{C}$
- Temperature Rise, 40°C
- RoHS Compliant



All parts are Pb-free and comply with EU Directive 2011/65/EU (RoHS2)

Schematic

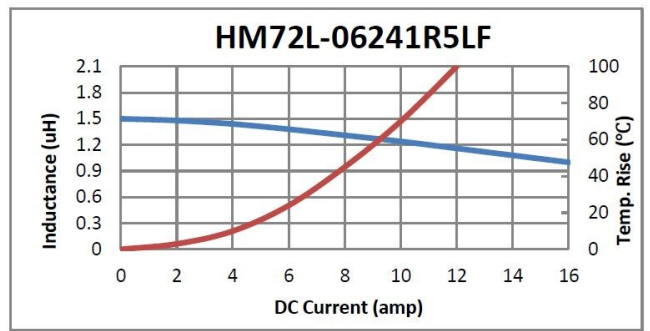
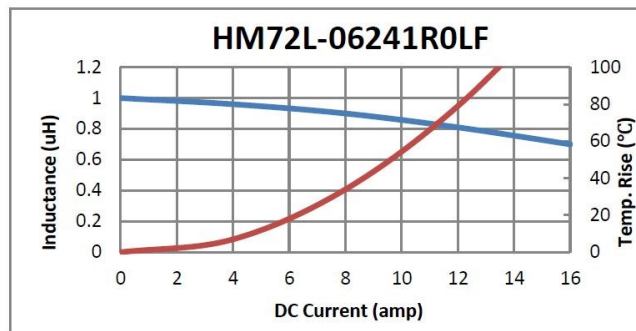
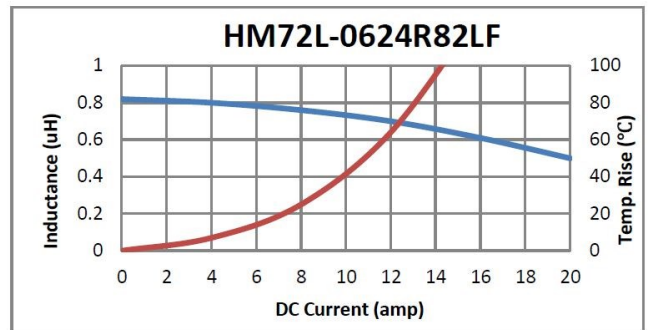
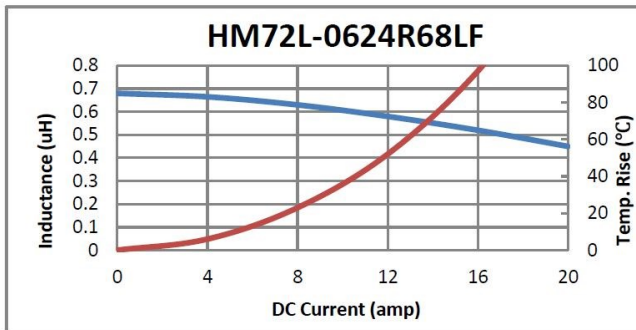
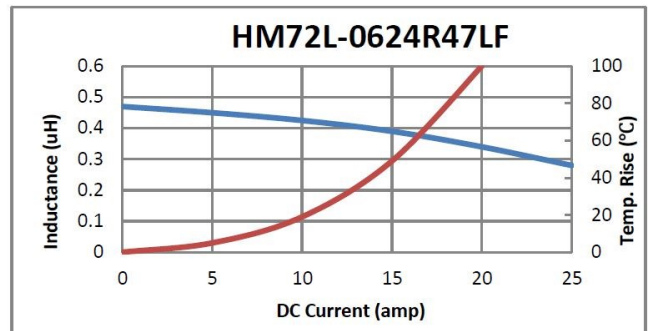
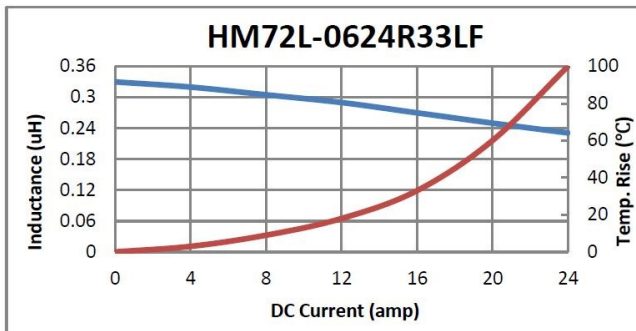
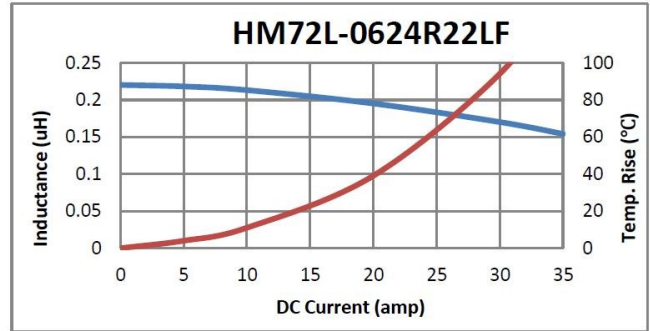
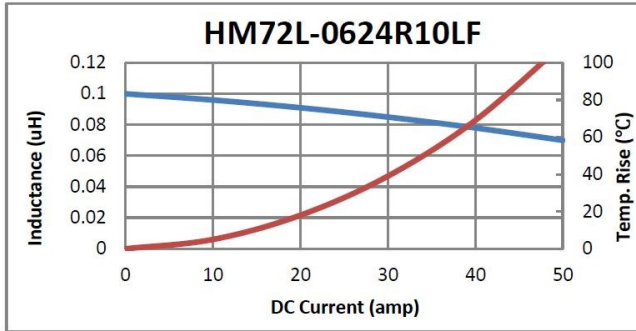


Specifications @ 25°C

| Part Number | Inductance ($\mu\text{H} \pm 20\%$ @0A) | DCR (m Ω) Typ | DCR (m Ω) Max | I _{rms} (A) | I _{sat} (A) | Part Number | Inductance ($\mu\text{H} \pm 20\%$ @0A) | DCR (m Ω) Typ. | DCR (m Ω) Max | I _{rms} (A) | I _{sat} (A) |
|-------------------|--|-----------------------------|-----------------------------|-------------------------|-------------------------|-------------------|--|------------------------------|-----------------------------|-------------------------|-------------------------|
| HM72L-0624R10LFTR | 0.10 | 1.5 | 1.7 | 30.0 | 50.0 | HM72L-06242R2LFTR | 2.20 | 28.0 | 34.0 | 6.5 | 14.0 |
| HM72L-0624R22LFTR | 0.22 | 2.9 | 3.2 | 21.0 | 34.0 | HM72L-06243R3LFTR | 3.30 | 36.5 | 51.6 | 5.0 | 13.0 |
| HM72L-0624R33LFTR | 0.33 | 3.7 | 4.1 | 18.0 | 22.0 | HM72L-06244R7LFTR | 4.70 | 45.0 | 63.0 | 4.5 | 9.0 |
| HM72L-0624R47LFTR | 0.47 | 6.0 | 6.5 | 13.5 | 21.0 | HM72L-06245R6LFTR | 5.60 | 66.0 | 73.0 | 4.0 | 8.0 |
| HM72L-0624R68LFTR | 0.68 | 8.7 | 9.4 | 11.0 | 18.0 | HM72L-06246R8LFTR | 6.80 | 72.5 | 95.0 | 3.6 | 7.0 |
| HM72L-0624R82LFTR | 0.82 | 10.6 | 11.8 | 10.0 | 17.0 | HM72L-06248R2LFTR | 8.20 | 95.0 | 106.0 | 3.0 | 6.5 |
| HM72L-06241R0LFTR | 1.00 | 13.1 | 14.2 | 9.0 | 16.0 | HM72L-0624100LFTR | 10.0 | 115.6 | 129.0 | 2.5 | 6.0 |
| HM72L-06241R5LFTR | 1.50 | 18.5 | 21.2 | 7.5 | 15.0 | | | | | | |

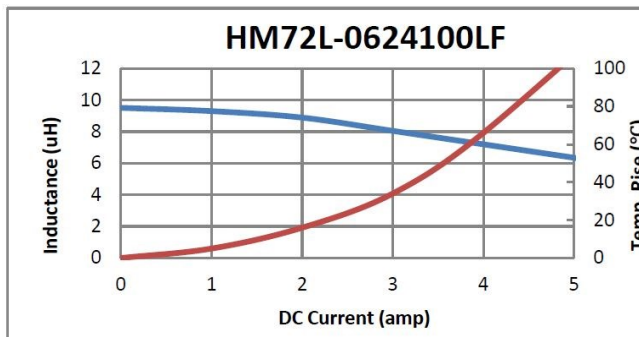
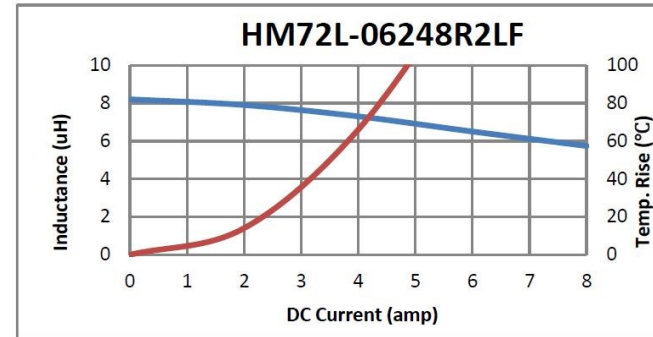
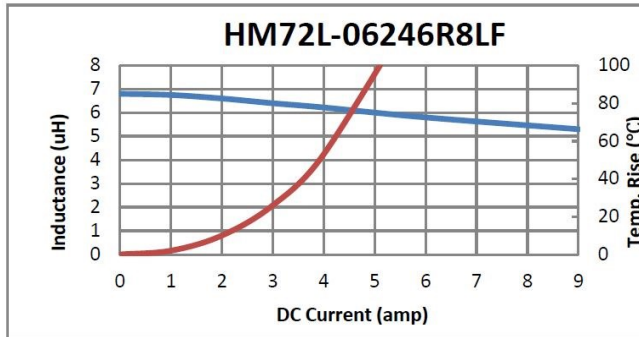
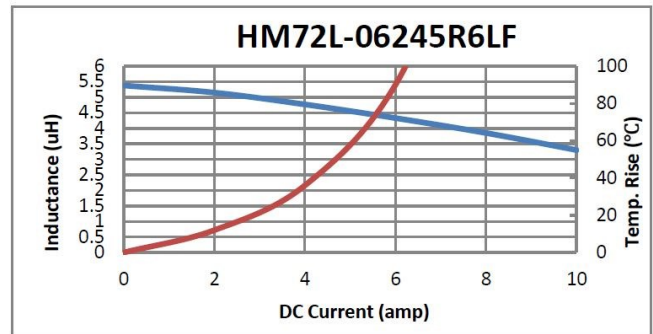
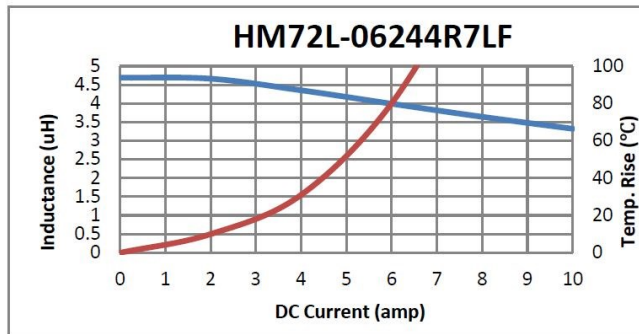
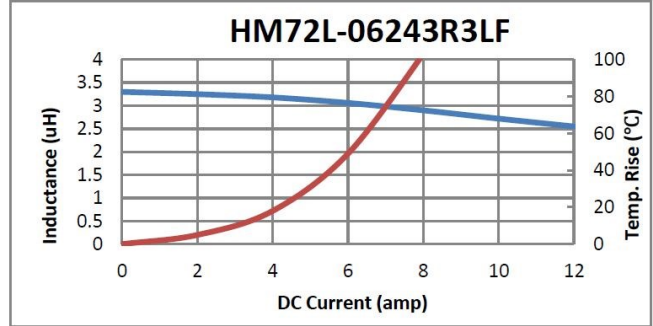
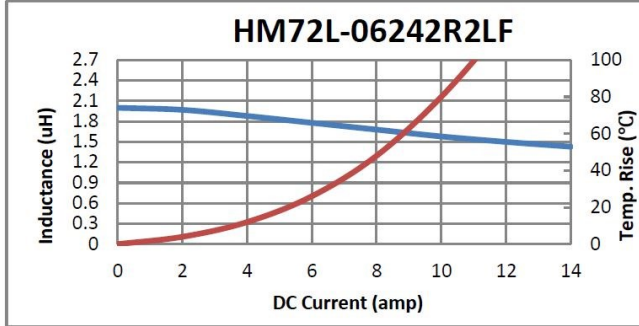
- Notes: (1) I_{sat} is the saturation current at which inductance rolls off approximately 30% from its initial (zero DC)
 (2) I_{rms} is the approximate current at which $\Delta T = 40^{\circ}\text{C}$
 (3) Operating Temperature Range -55°C to $+125^{\circ}\text{C}$

Electrical Specifications @ 25



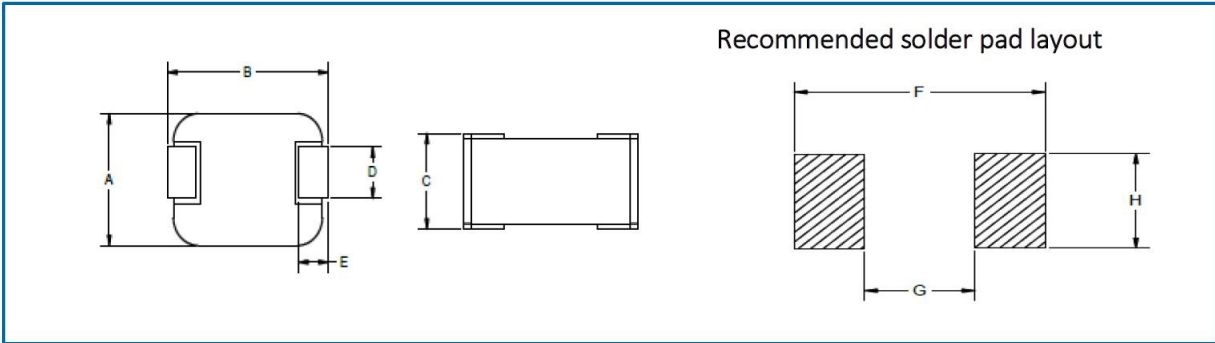
General Note
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Electrical Specifications @ 25



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Outline dimensions (mm)

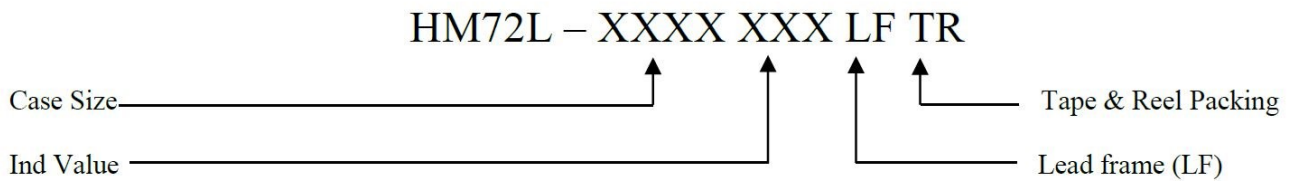


| CASE SIZE | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) | G(mm) | H(mm) |
|-------------|-----------|-----------|-------|-----------|-----------|-------|-------|-------|
| 0624 series | 6.6 ± 0.3 | 7.1 ± 0.3 | 2.4 | 3.0 ± 0.3 | 1.6 ± 0.5 | 7.4 | 3.7 | 3.5 |

Packaging

| | | | | |
|-----------|------------------------|----------|----------------|---------------|
| Standard: | Embossed Tape and Reel | | | |
| | Reel: | Diameter | All case size | = 13" (330mm) |
| | | Capacity | Case size 0624 | = 1,000 units |

Ordering information



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