

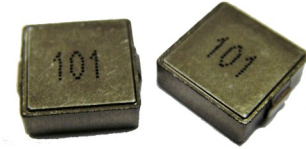
Power Inductors

Model HA72L-1265 series

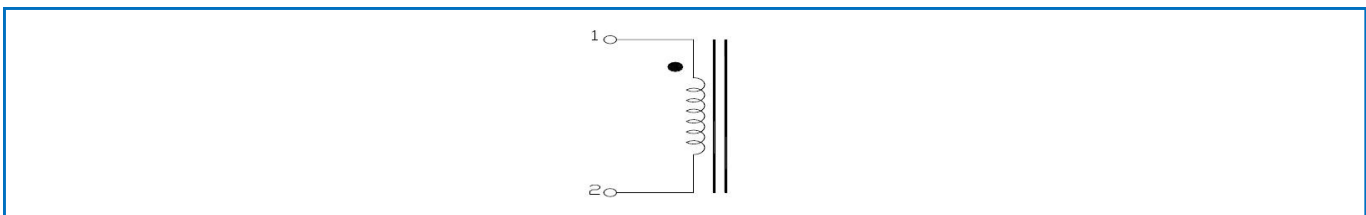


Features:

- Operating Temperature Range -55°C to $+155^{\circ}\text{C}$
- Ambient Temperature, Maximum $+115^{\circ}\text{C}$
- Temperature Rise, 40°C
- RoHS Compliant
- AEC-Q200 Certified



Schematic



Specifications @ 25°C

| Part Number | Inductance ($\mu\text{H} \pm 20\%$ @0A) | DCR ($\text{m}\Omega$) Typ | DCR ($\text{m}\Omega$) Max | I _{rms} (A) | Isat (A) | Part Number | Inductance ($\mu\text{H} \pm 20\%$ @0A) | DCR ($\text{m}\Omega$) Typ. | DCR ($\text{m}\Omega$) Max | I _{rms} (A) | Isat (A) |
|-------------------|--|------------------------------|------------------------------|----------------------|----------|-------------------|--|-------------------------------|------------------------------|----------------------|----------|
| HA72L-1265R10LFTR | 0.10 | 0.47 | 0.50 | 60.0 | 80.0 | HA72L-12652R8LFTR | 2.80 | 4.20 | 4.80 | 20.0 | 25.0 |
| HA72L-1265R15LFTR | 0.15 | 0.53 | 0.60 | 55.0 | 80.0 | HA72L-12653R3LFTR | 3.30 | 5.70 | 6.80 | 18.0 | 35.0 |
| HA72L-1265R22LFTR | 0.22 | 0.63 | 0.70 | 53.0 | 80.0 | HA72L-12654R2LFTR | 4.20 | 5.80 | 7.20 | 11.0 | 28.0 |
| HA72L-1265R30LFTR | 0.30 | 0.70 | 0.80 | 48.0 | 72.0 | HA72L-12654R7LFTR | 4.70 | 9.30 | 11.20 | 13.5 | 30.0 |
| HA72L-1265R33LFTR | 0.33 | 0.83 | 0.90 | 46.0 | 65.0 | HA72L-12655R6LFTR | 5.60 | 11.80 | 12.80 | 12.0 | 26.5 |
| HA72L-1265R40LFTR | 0.40 | 0.90 | 1.00 | 44.0 | 64.0 | HA72L-12656R8LFTR | 6.80 | 13.10 | 14.00 | 11.5 | 16.5 |
| HA72L-1265R47LFTR | 0.47 | 1.00 | 1.20 | 41.0 | 63.0 | HA72L-12658R2LFTR | 8.20 | 14.50 | 15.50 | 10.5 | 16.0 |
| HA72L-1265R56LFTR | 0.56 | 1.20 | 1.40 | 37.0 | 62.0 | HA72L-1265100LFTR | 10.0 | 15.80 | 16.80 | 10.0 | 15.5 |
| HA72L-1265R68LFTR | 0.68 | 1.40 | 1.60 | 35.0 | 60.0 | HA72L-1265120LFTR | 12.0 | 23.00 | 26.00 | 9.0 | 14.0 |
| HA72L-1265R82LFTR | 0.82 | 1.60 | 1.90 | 33.0 | 50.0 | HA72L-1265150LFTR | 15.0 | 25.00 | 29.00 | 6.0 | 9.0 |
| HA72L-12651R0LFTR | 1.00 | 1.70 | 2.00 | 32.0 | 49.0 | HA72L-1265220LFTR | 22.0 | 34.00 | 39.50 | 5.0 | 7.5 |
| HA72L-12651R2LFTR | 1.20 | 2.10 | 2.50 | 30.0 | 48.0 | HA72L-1265330LFTR | 33.0 | 55.00 | 65.00 | 4.0 | 6.0 |
| HA72L-12651R5LFTR | 1.50 | 2.50 | 3.00 | 27.0 | 45.0 | HA72L-1265470LFTR | 47.0 | 80.00 | 92.00 | 3.0 | 5.0 |
| HA72L-12651R8LFTR | 1.80 | 2.80 | 3.20 | 24.0 | 41.0 | HA72L-1265680LFTR | 68.0 | 122.0 | 134.0 | 2.0 | 3.5 |
| HA72L-12652R2LFTR | 2.20 | 3.50 | 4.20 | 22.0 | 40.0 | | | | | | |

- Notes:
- (1) Isat 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 $+155^{\circ}\text{C}$
 - (4) Test conditions for all case sizes is 100kHz @ 1V

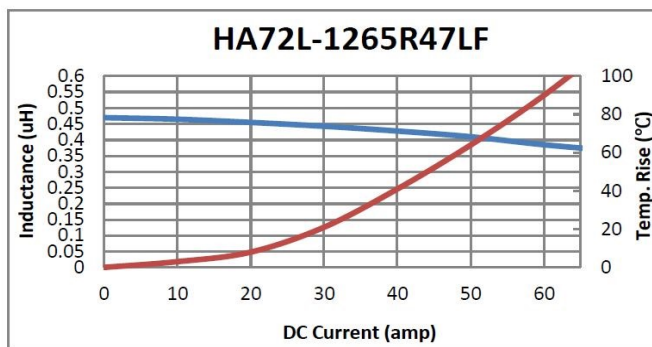
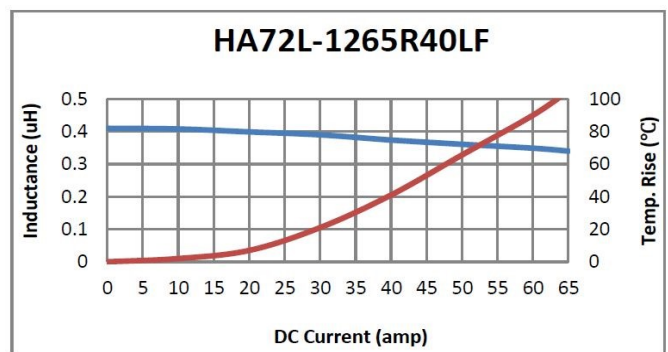
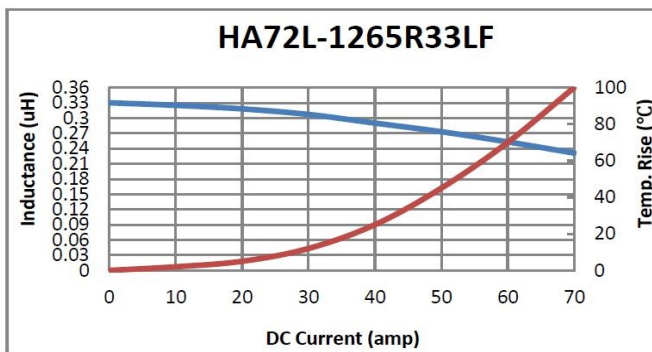
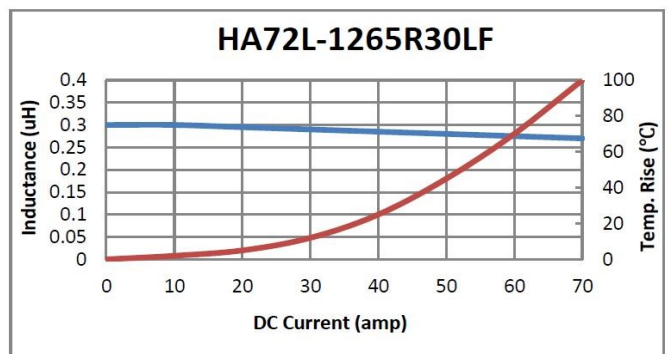
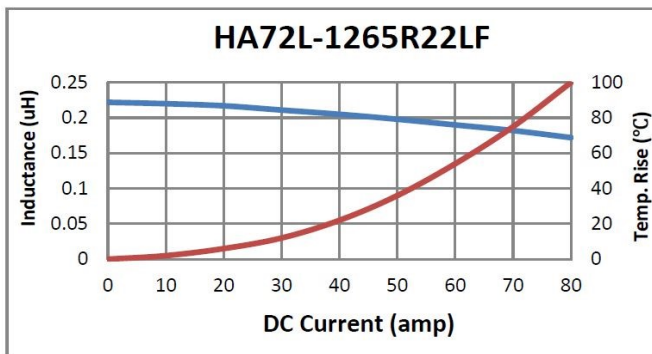
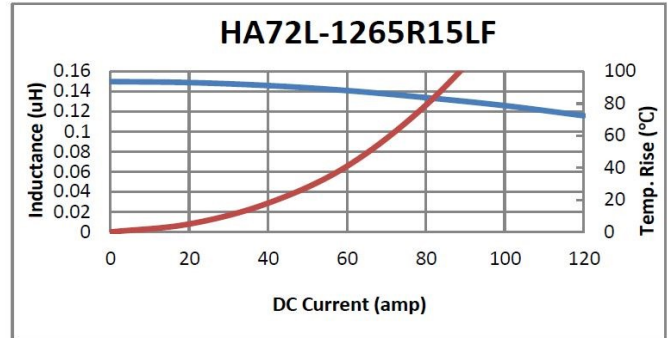
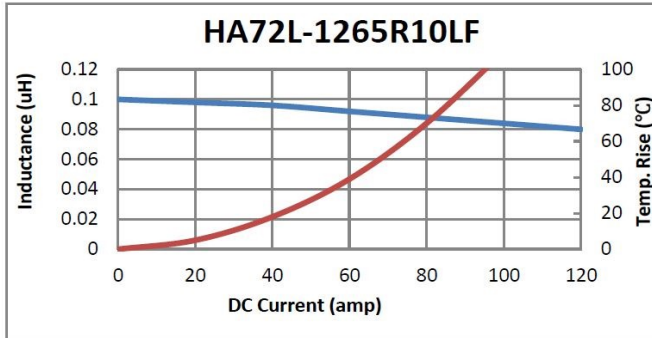
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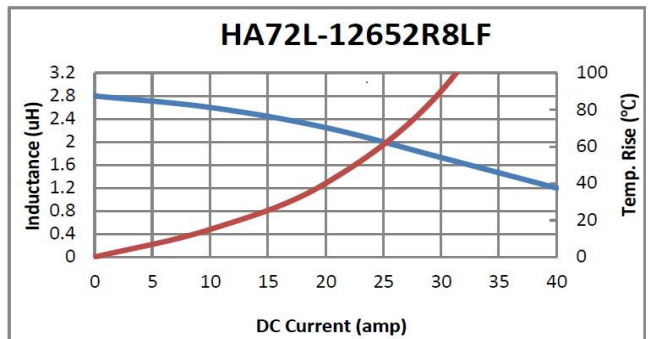
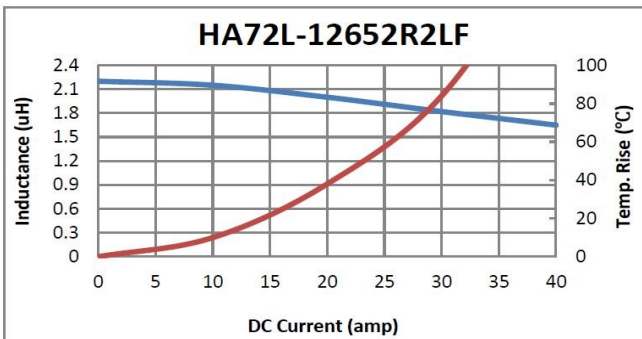
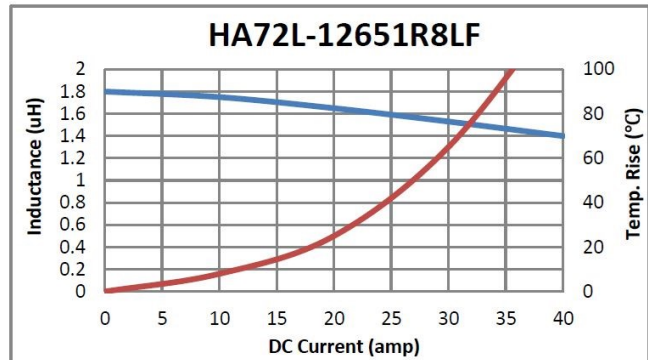
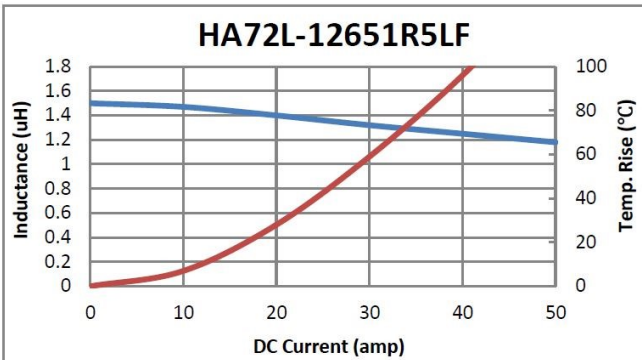
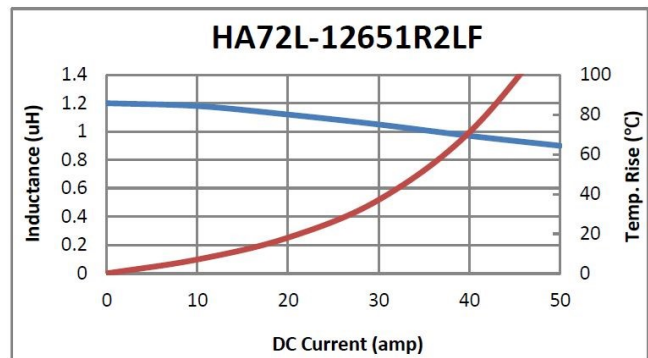
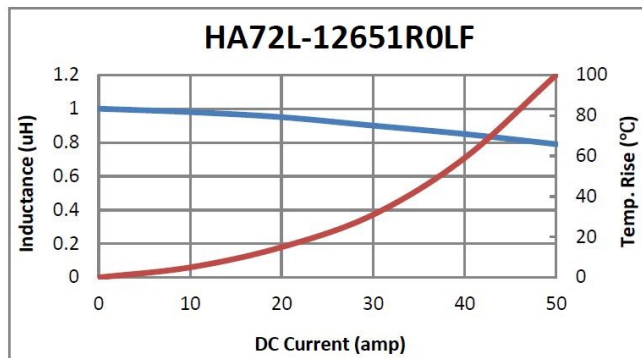
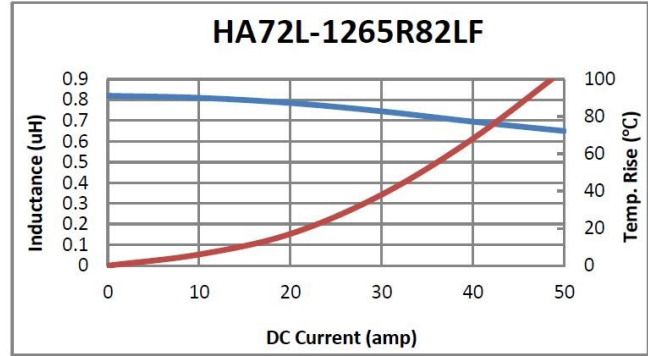
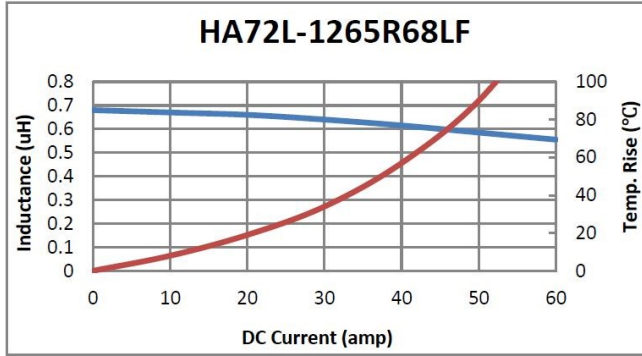
Electrical Specifications



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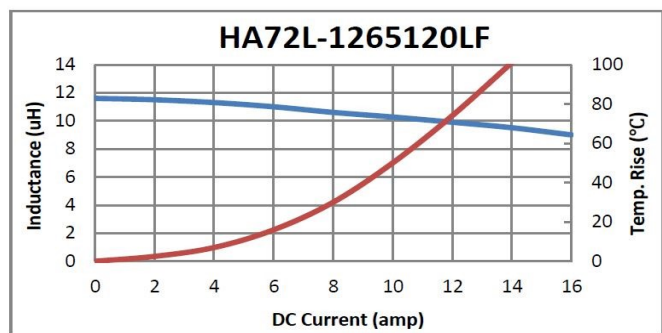
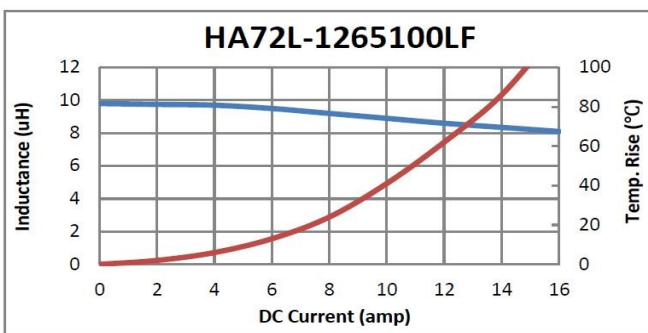
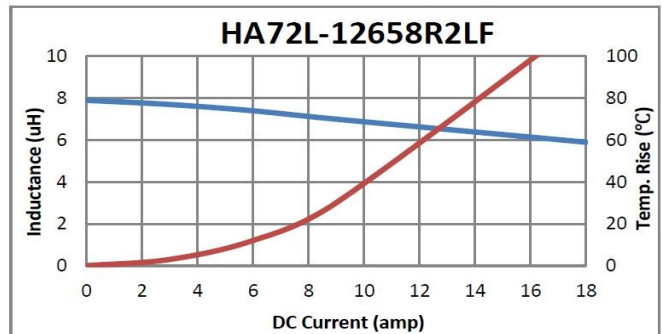
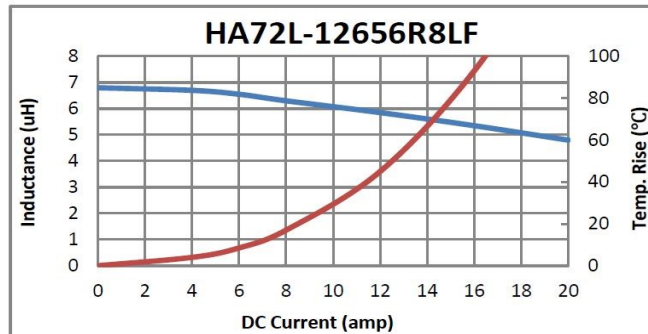
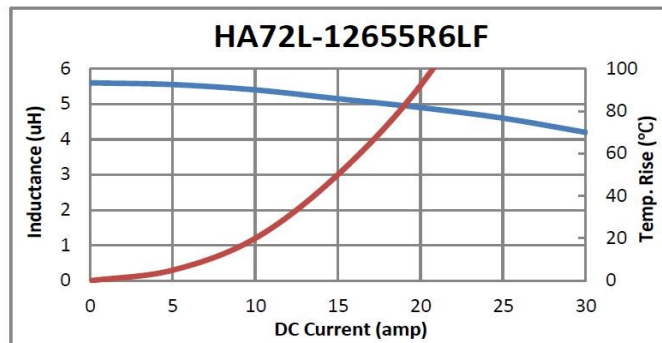
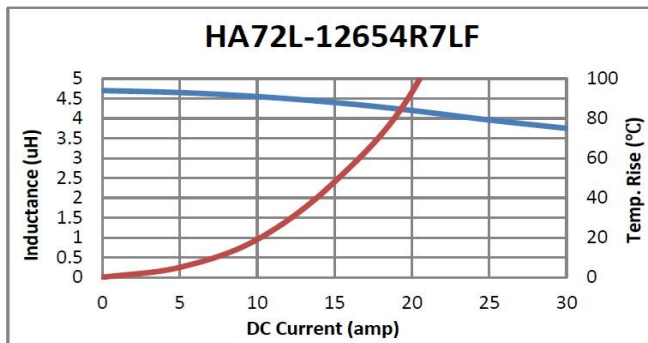
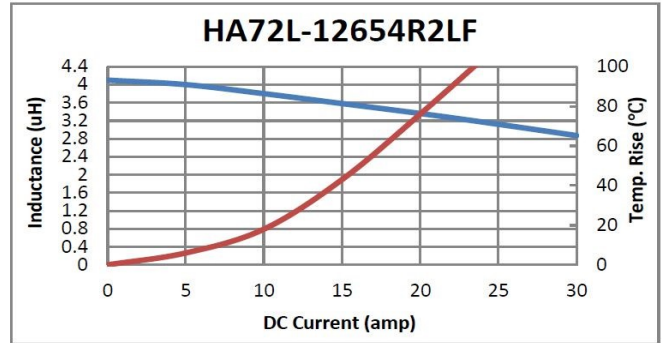
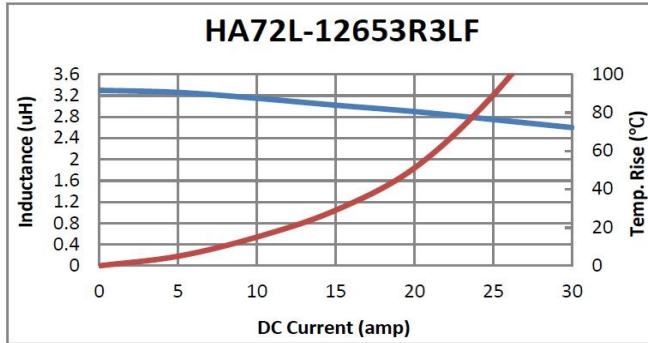
Electrical Characteristics



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Electrical Characteristics

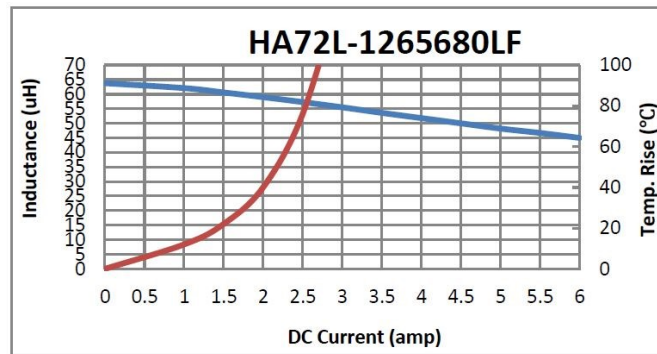
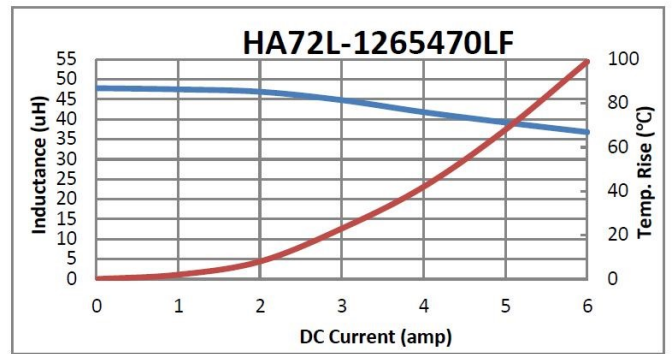
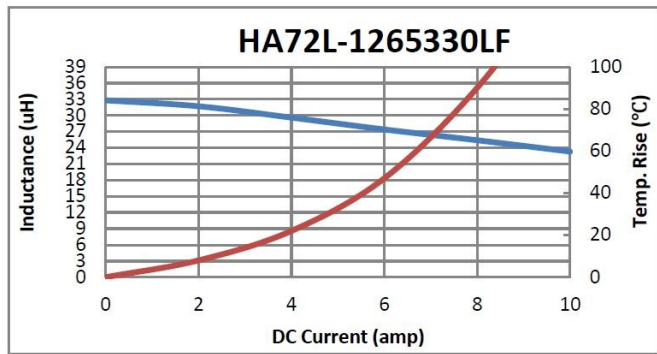
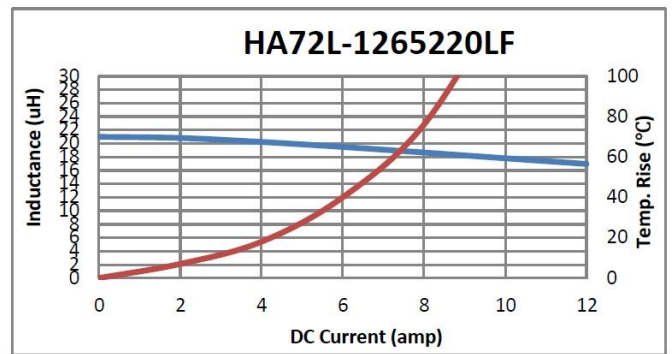
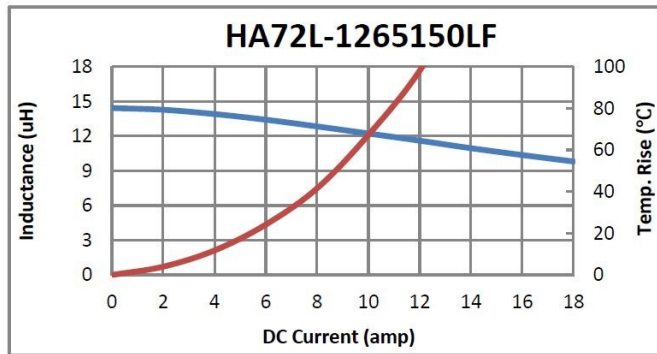


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Power Inductors

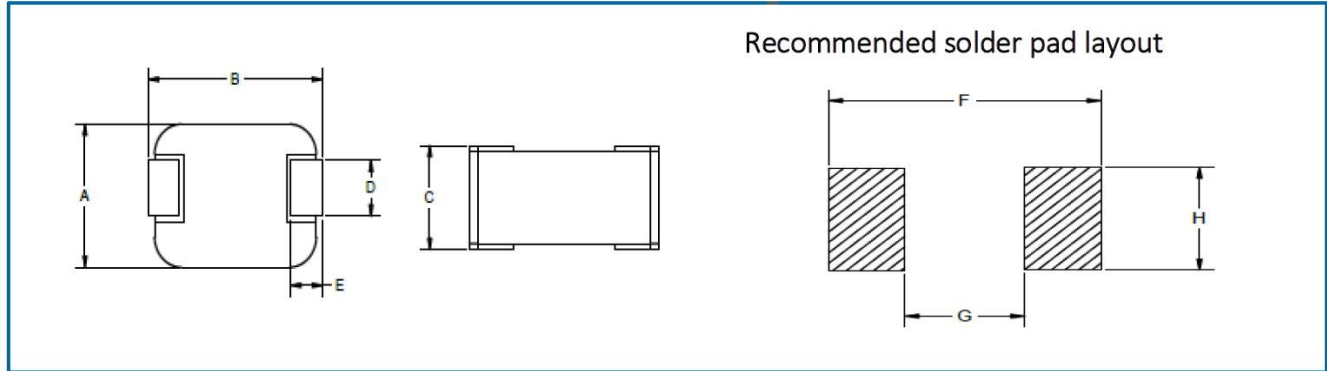
Model HA72L-1265 series



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Outline dimensions (mm)

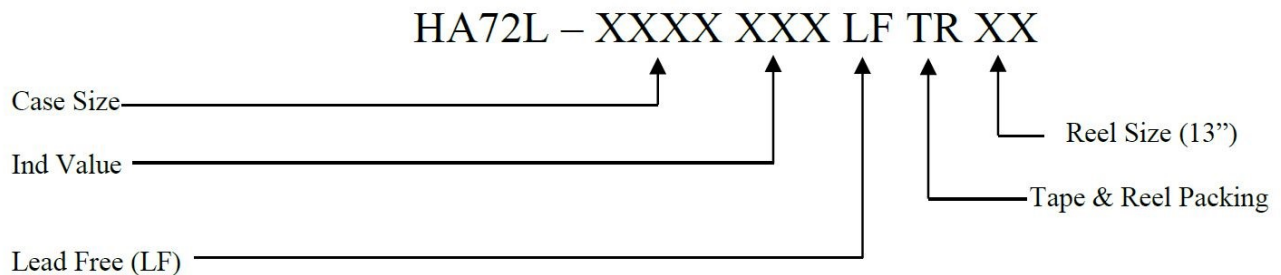


| CASE SIZE | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) | G(mm) | H(mm) |
|-------------|------------|------------|-------|-----------|-----------|-------|-------|-------|
| 1265 series | 12.8 ± 0.3 | 13.5 ± 0.5 | 6.5 | 3.5 ± 0.5 | 2.5 ± 0.5 | 15 | 6 | 5 |

Packaging

| | | | | |
|-----------|------------------------|----------|----------------|---------------|
| Standard: | Embossed Tape and Reel | | | |
| | Reel: | Diameter | All case size | = 13" (330mm) |
| | | Capacity | Case size 1265 | = 400 units |

Ordering information



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