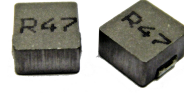



Power Inductors

Model HA72L-0530 series

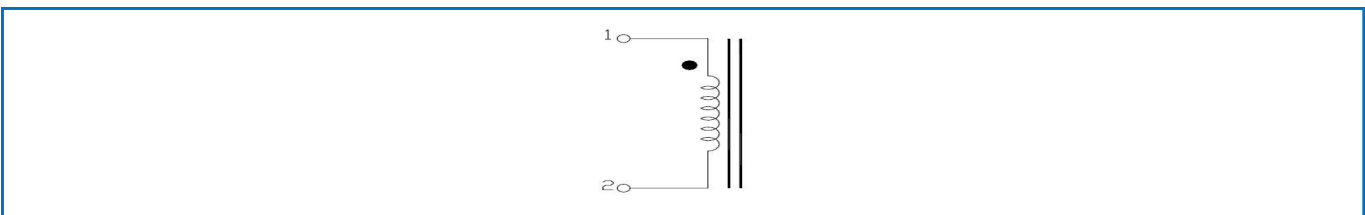
Features:

- 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



 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) |
|-------------------|--|-----------------------------|-----------------------------|-------------------------|-------------------------|-------------------|--|------------------------------|-----------------------------|-------------------------|-------------------------|
| HA72L-0530R20LFTR | 0.20 | 3.5 | 3.9 | 18.0 | 14.5 | HA72L-05302R2LFTR | 2.20 | 25.0 | 29.0 | 5.5 | 7.5 |
| HA72L-0530R47LFTR | 0.47 | 7.4 | 8.5 | 13.5 | 12.0 | HA72L-05303R3LFTR | 3.30 | 32.0 | 38.0 | 5.0 | 6.0 |
| HA72L-0530R68LFTR | 0.68 | 11.0 | 12.0 | 8.5 | 14.0 | HA72L-05304R7LFTR | 4.70 | 50.0 | 60.0 | 3.5 | 5.0 |
| HA72L-05301R0LFTR | 1.00 | 13.0 | 14.0 | 7.0 | 11.0 | HA72L-05306R8LFTR | 6.80 | 75.0 | 90.0 | 3.0 | 4.0 |
| HA72L-05301R2LFTR | 1.20 | 15.0 | 16.0 | 6.5 | 11.0 | HA72L-0530100LFTR | 10.0 | 110 | 125 | 2.5 | 3.5 |
| HA72L-05301R5LFTR | 1.50 | 20.0 | 25.0 | 6.0 | 8.5 | | | | | | |

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

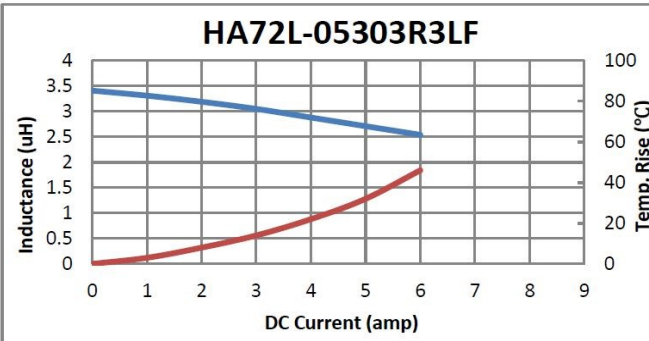
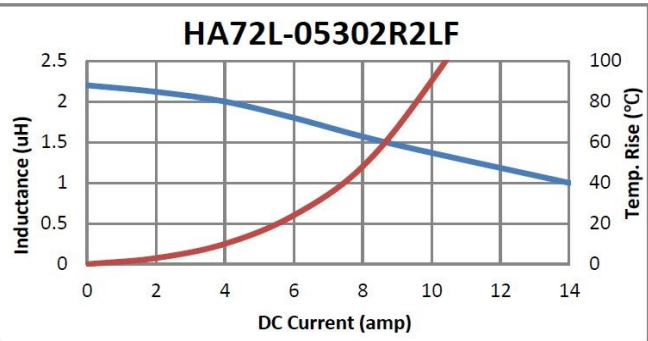
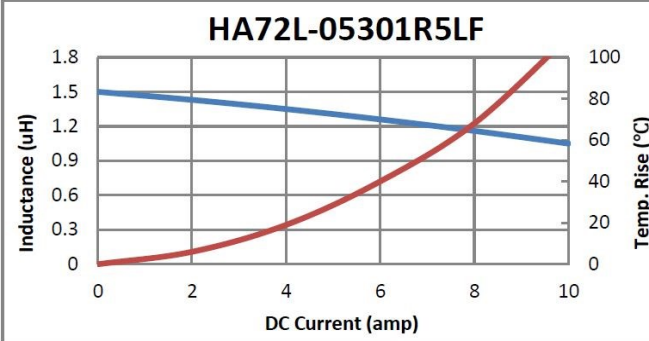
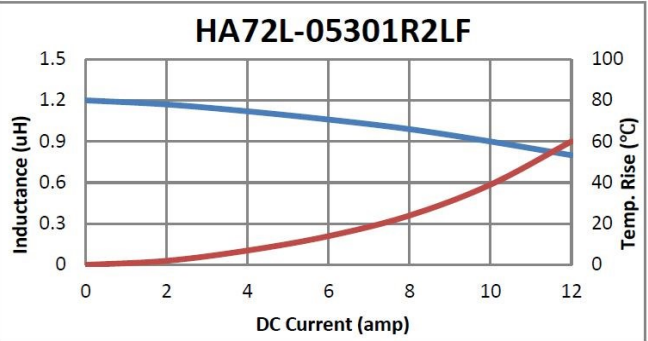
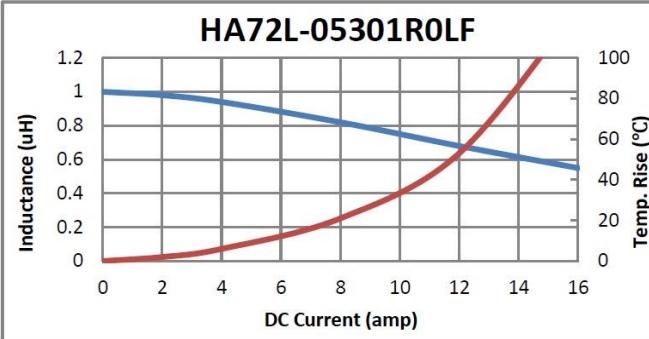
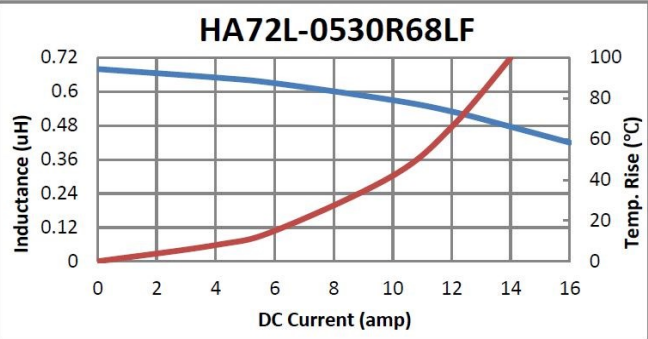
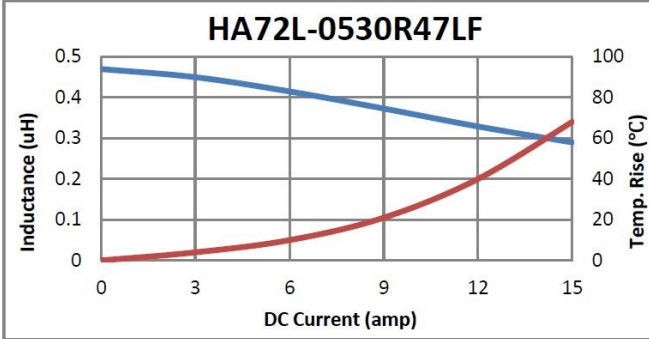
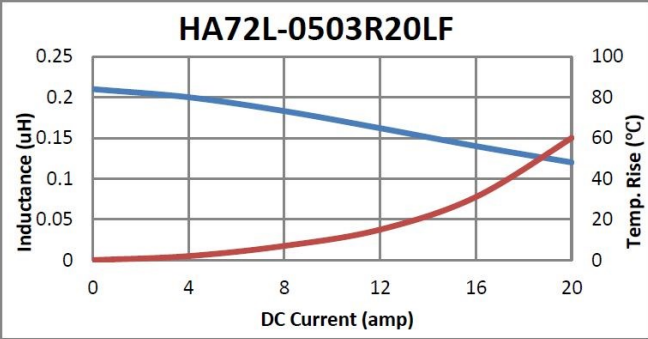
General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Power Inductor

Model HA72L-0530 series

Electrical Characteristics @ 25°C

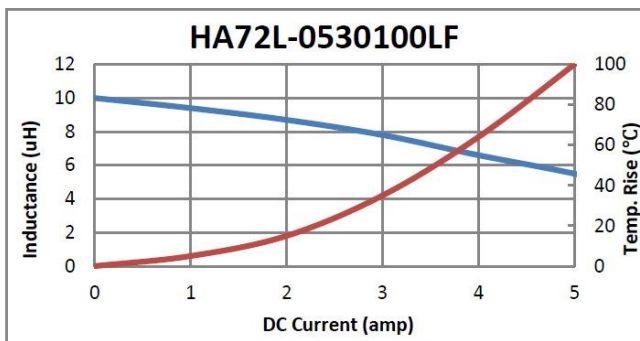
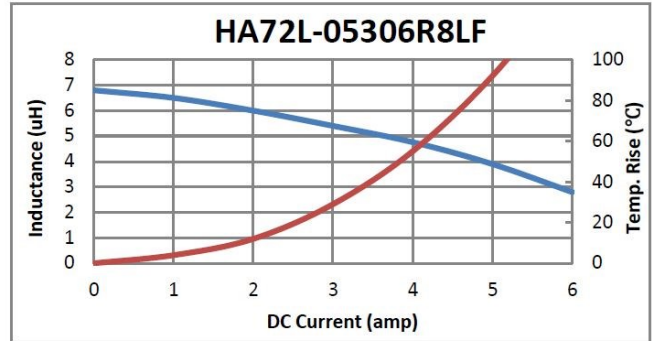
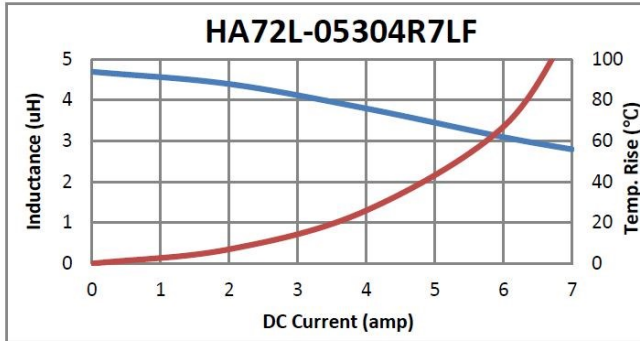


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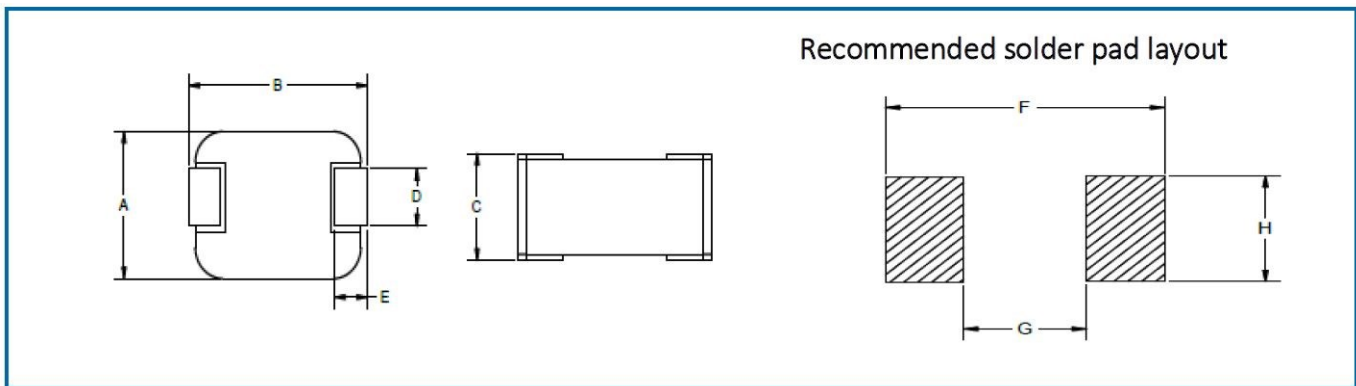
Power Inductor

Model HA72L-0530 series

Electrical Specifications @ 25°C



Outline dimensions (mm)



| CASE SIZE | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) | G(mm) | H(mm) |
|-------------|------------|------------|-------|-----------|-----------|-------|-------|-------|
| 0530 series | 5.20 ± 0.3 | 5.40 ± 0.3 | 3 | 2.2 ± 0.3 | 1.2 ± 0.2 | 5.99 | 2.20 | 2.50 |

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Power Inductor

Model HA72L-0530 series



Packaging

| | | | | |
|-----------|------------------------|----------|----------------|---------------|
| Standard: | Embossed Tape and Reel | | | |
| | Reel: | Diameter | All case size | = 13" (330mm) |
| | | Capacity | Case size 0530 | = 2,000 units |

Ordering Information

