

High Power High Performance Molded Surface Mount Inductors

Model HA72E-06

Features and Benefits

- Operating Temperature Range -40°C to +155°C
- Temperature Rise, Maximum 50°C
- Operating Frequency Up to 3MHz
- AEC-Q200 Grade 0 CERTIFIED
- RoHS Compliant



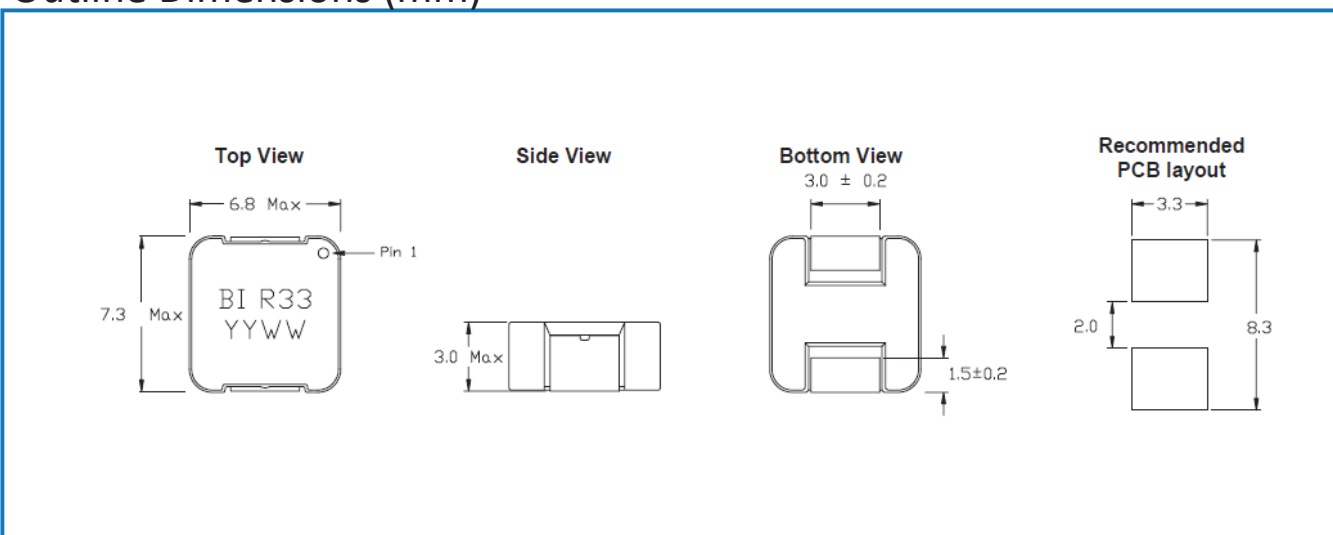
Specification @ 25°C

| Part Number | Inductance ⁽¹⁾ μH±20% | Heating Current ⁽²⁾ (Adc) | Isat ⁽³⁾ (Adc) | DCR (mΩ) | |
|---------------|-------------------------------------|--|------------------------------|----------|-------|
| | | | | Typ. | Max. |
| HA72E-06R10LF | 0.10 | 26.2 | 45.0 | 1.5 | 1.7 |
| HA72E-06R20LF | 0.20 | 20.3 | 34.0 | 2.5 | 2.8 |
| HA72E-06R33LF | 0.33 | 18.0 | 22.0 | 3.2 | 3.9 |
| HA72E-06R47LF | 0.47 | 16.1 | 19.0 | 4.0 | 4.2 |
| HA72E-06R68LF | 0.68 | 14.4 | 16.5 | 5.0 | 5.5 |
| HA72E-061R0LF | 1.00 | 10.3 | 15.0 | 9.0 | 10.0 |
| HA72E-061R5LF | 1.50 | 8.4 | 10.0 | 13.0 | 14.0 |
| HA72E-062R2LF | 2.20 | 8.3 | 8.5 | 18.0 | 20.0 |
| HA72E-063R3LF | 3.30 | 6.6 | 8.0 | 26.5 | 30.0 |
| HA72E-064R7LF | 4.70 | 5.4 | 6.5 | 39.0 | 42.0 |
| HA72E-066R8LF | 6.80 | 4.1 | 5.0 | 62.0 | 68.0 |
| HA72E-068R2LF | 8.20 | 3.5 | 4.2 | 80.0 | 100.0 |
| HA72E-06100LF | 10.0 | 3.2 | 4.0 | 100.0 | 105.0 |
| HA72E-06330LF | 33.0 | 1.8 | 2.5 | 302.0 | 332.0 |

Notes:

- (1) Inductance is measured at 100 kHz, 0.1Vac without DC current.
- (2) The Heating Current is the approximate DC current which causes the component temperature to increase by 50°C. This current is determined by soldering the component on a typical application PCB, and then applying the current to the device for 30 minutes.
- (3) The saturation current (Isat) is the approximate current at which the inductance will be decreased by 20% typical from its initial (zero DC) value.
- (4) The part temperature (ambient + temperature rise) should not exceed 155°C.

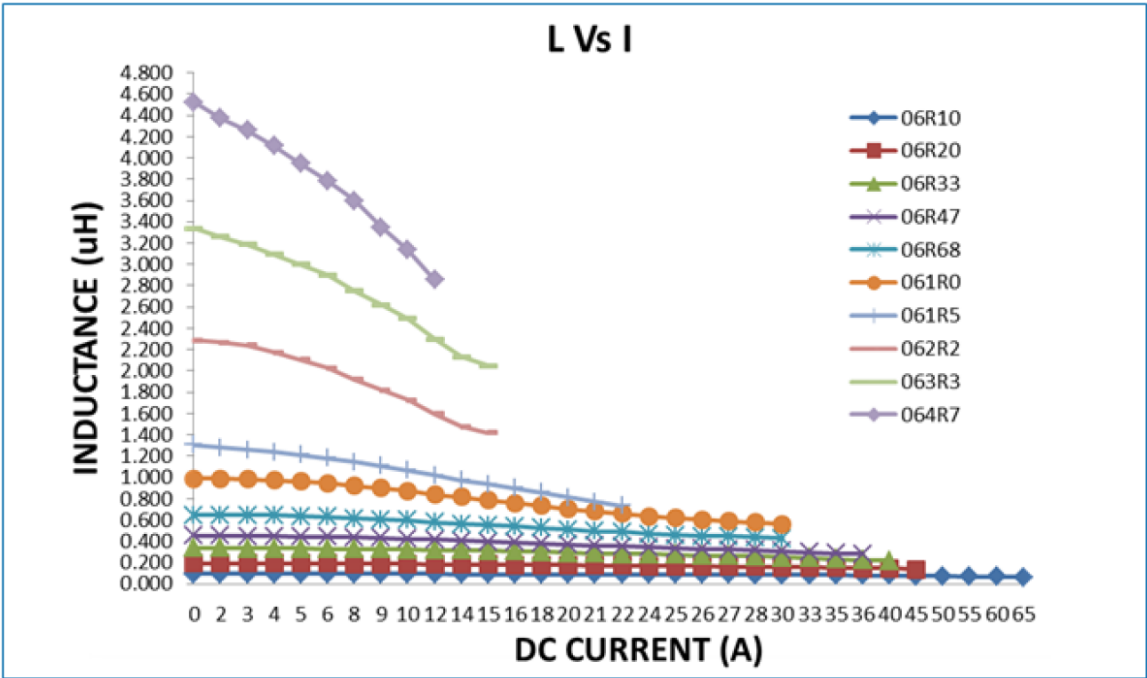
Outline Dimensions (mm)



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.

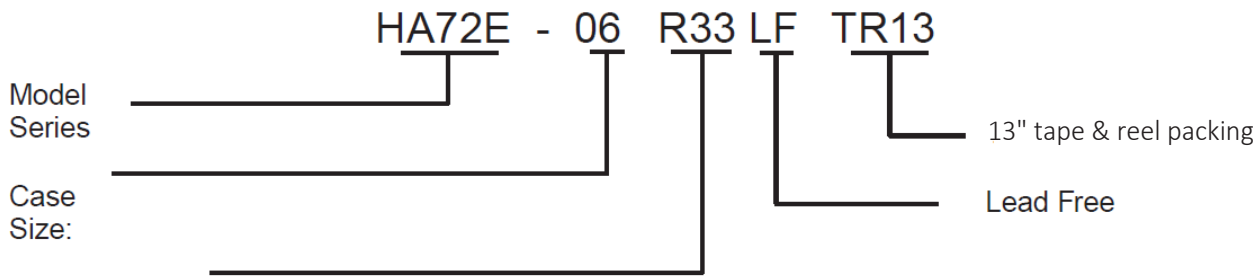
Electrical Characteristic @ 25°C



Packaging / Ordering Information

| | |
|-------------------------------|-----------|
| One reel (13") | 2000 pcs |
| One shipping carton (6 reels) | 12000 pcs |

Ordering Information



Inductance Code:
First 2 digits are significant. Last digit denotes
number of trailing zeros. For values below
10µH, "R" denotes the decimal point

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