

High Power High Performance Molded Surface Mount Inductors

MODEL HM72B-12

Features

- Operating Temperature Range -40°C to +130°C
- Temperature Rise, Maximum +50°C
- Operating Frequency Up to 3MHz
- RoHS Compliant



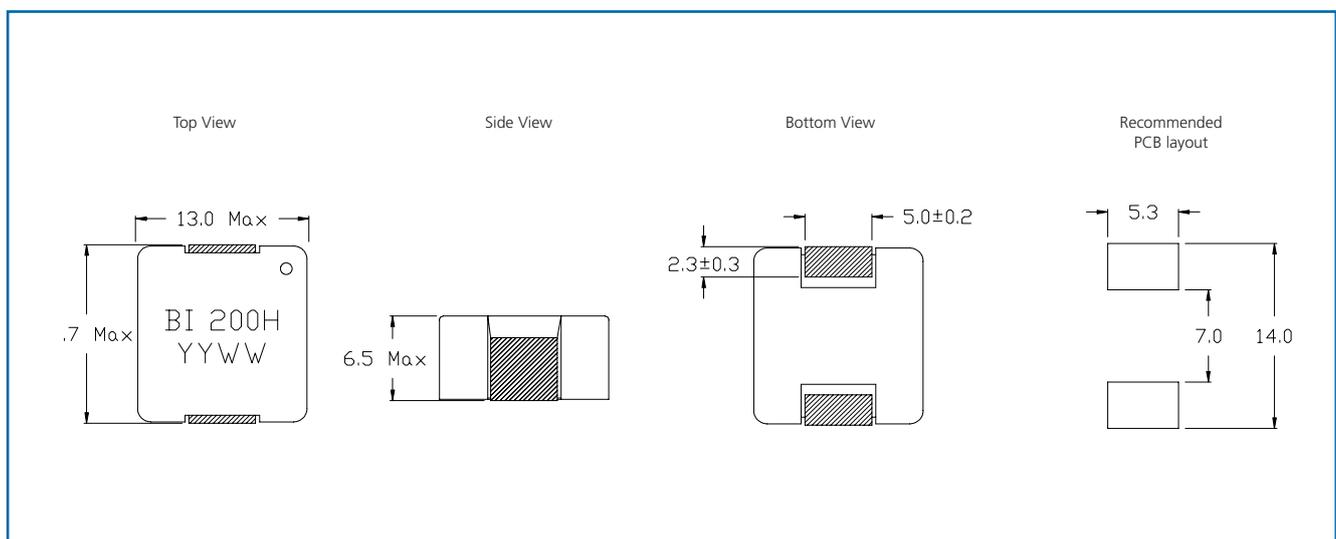
Specifications @ 25°C

| Part Number | Inductance ⁽¹⁾ μH±20% | Heat Rating Current | Isat ⁽²⁾ (Adc) | DCR (mΩ) | |
|----------------|-------------------------------------|---------------------|------------------------------|----------|------|
| | | | | Typ. | Max. |
| HM72B-121R0HLF | 1.00 | 31.5 | 51.0 | 2.35 | 2.60 |
| HM72B-121R2HLF | 1.20 | 29.5 | 50.0 | 2.45 | 2.95 |
| HM72B-121R5HLF | 1.50 | 26.5 | 43.0 | 2.80 | 3.30 |
| HM72B-121R8HLF | 1.80 | 23.5 | 45.0 | 3.00 | 3.55 |
| HM72B-122R2HLF | 2.20 | 22.5 | 40.0 | 4.12 | 4.62 |
| HM72B-123R3HLF | 3.30 | 18.0 | 35.0 | 6.50 | 7.65 |
| HM72B-124R7HLF | 4.70 | 13.5 | 26.0 | 8.65 | 9.65 |
| HM72B-125R6HLF | 5.60 | 13.0 | 25.0 | 10.0 | 11.3 |
| HM72B-126R8HLF | 6.80 | 11.0 | 20.0 | 13.9 | 15.4 |
| HM72B-128R2HLF | 8.20 | 10.5 | 19.0 | 15.1 | 17.0 |
| HM72B-12100HLF | 10.0 | 9.9 | 15.0 | 16.8 | 19.2 |
| HM72B-12200HLF | 20.0 | 6.7 | 12.0 | 35.5 | 40.5 |

Notes:

- (1) Inductance is measured at 100 kHz, 0.1Vac without DC current.
- (2) The saturation current (Isat) is the typical current at which the inductance will be decreased by 30% from its initial (0 Adc) value.
- (3) The part temperature (ambient + temperature rise) should not exceed 130°C.

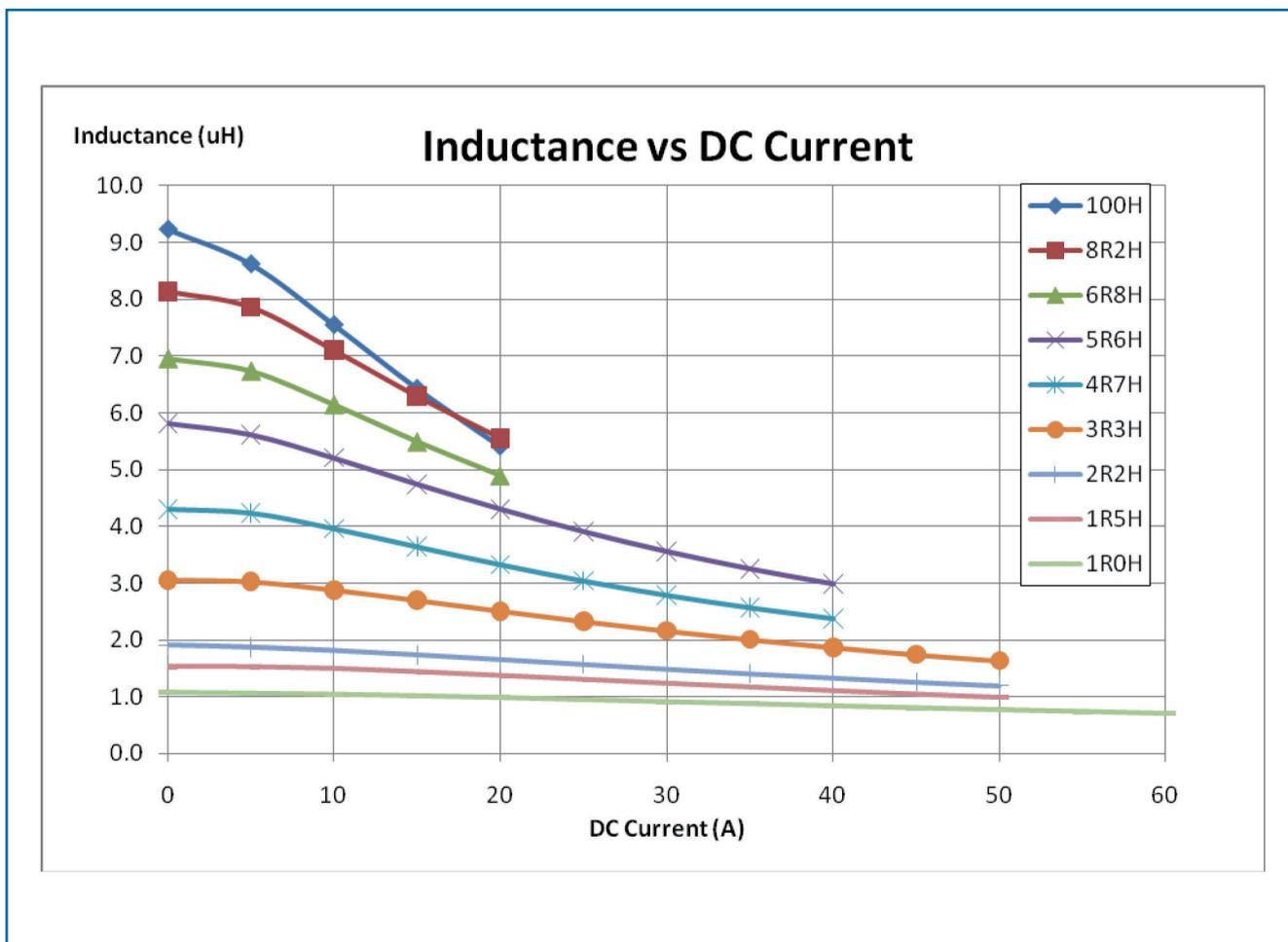
Outline Dimensions (mm)



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.

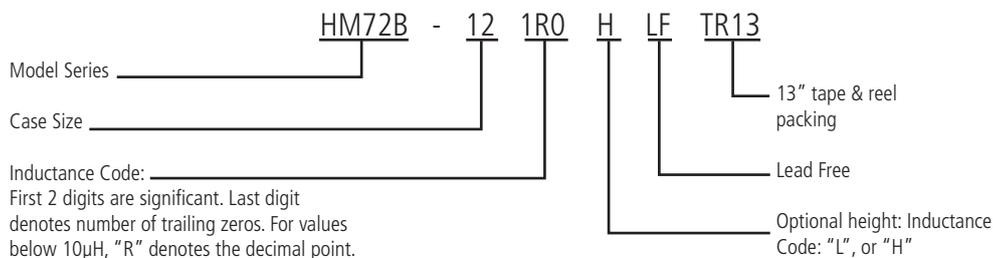
Electrical Characteristic @ 25°C



Packaging

| | |
|----------------|---------|
| One reel (13") | 400 pcs |
|----------------|---------|

Ordering Information



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Mouser Electronics

Authorized Distributor

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