

## 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



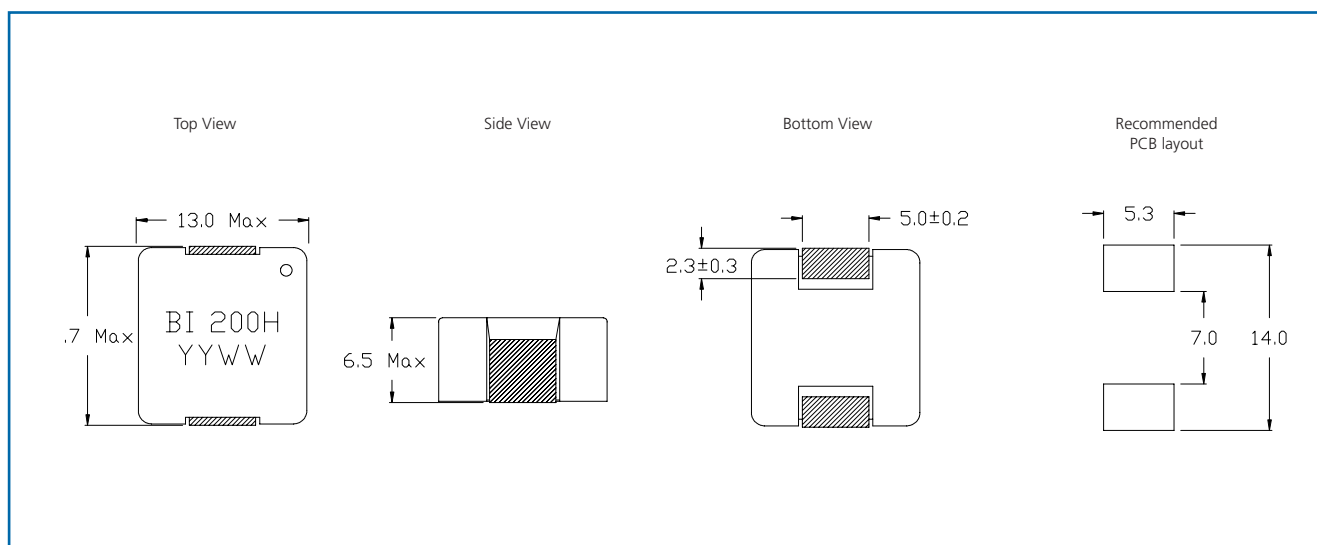
### Specifications @ 25°C

Part Number	Inductance <sup>(1)</sup> μH±20%	Heat Rating Current	Isat <sup>(2)</sup> (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.

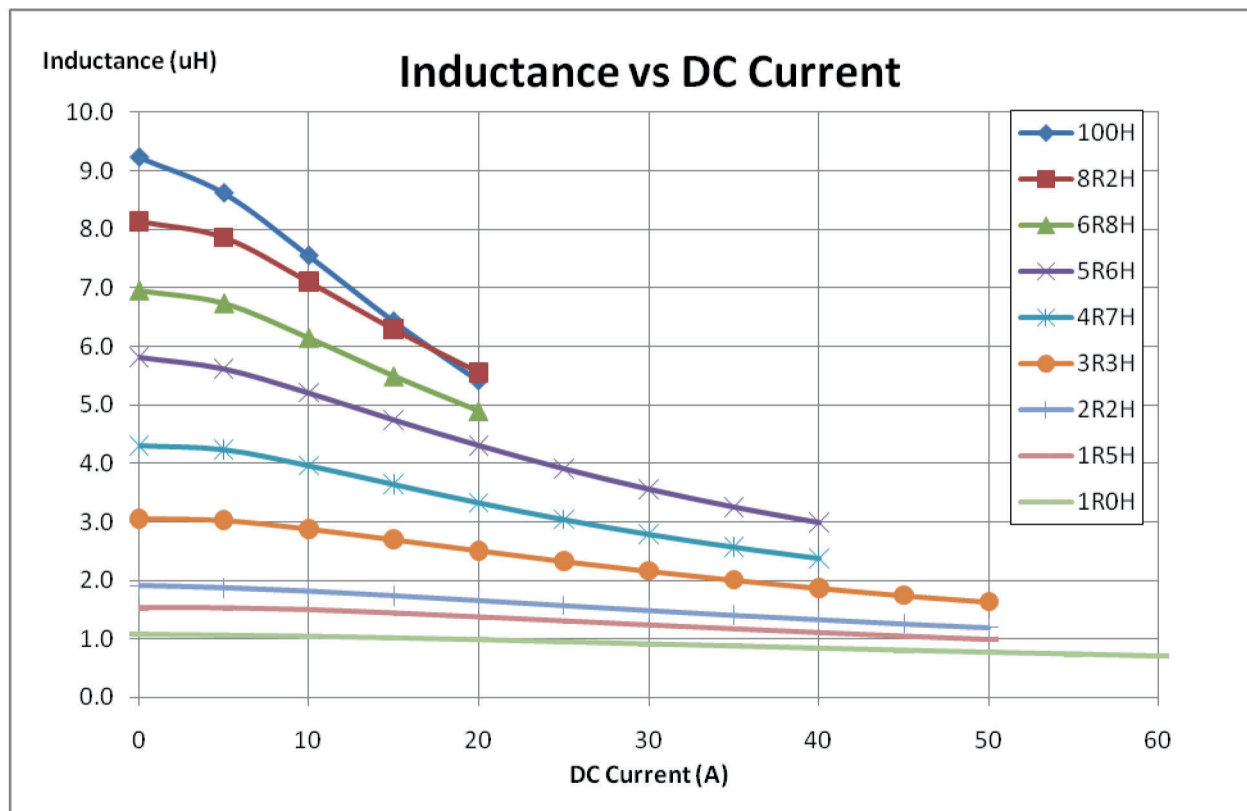
### Outline Dimensions (mm)



#### 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

Model Series HM72B - Case Size 12 Inductance Code: 1R0 H LF TR13

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

13" tape & reel packing

Lead Free

Optional height: Inductance Code: "L", or "H"

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