

High Power High Performance Molded Surface Mount Inductors

Model HM72B-06 Series

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



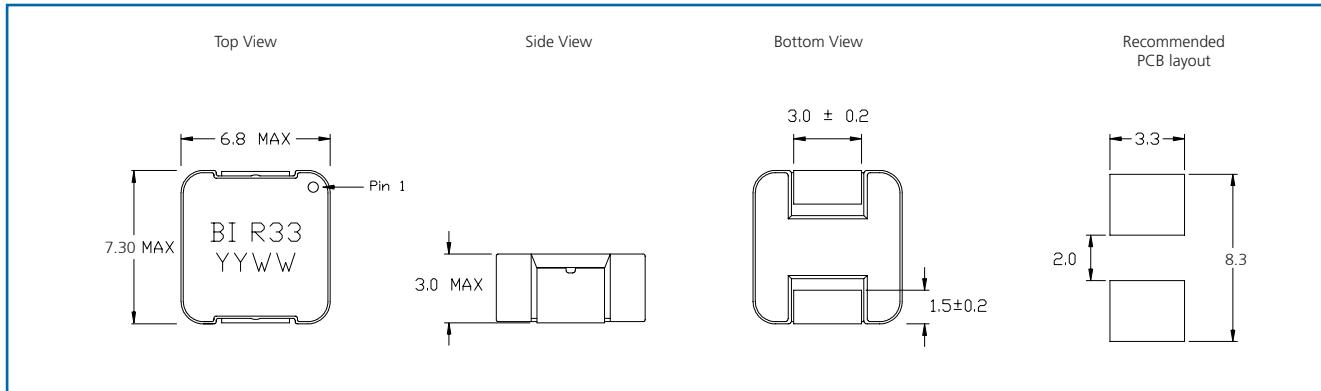
Specification @ 25°C

Part Number	Inductance ⁽¹⁾ μH±20%	Hea Current ⁽²⁾ (Adc)	Isat ⁽³⁾ (Adc)	DCR (mΩ)	
				Typ.	Max.
HM72B-06R10LF	0.10	26.2	45.0	1.5	1.7
HM72B-06R20LF	0.20	20.3	30.0	2.5	2.8
HM72B-06R33LF	0.33	18.0	22.0	3.2	3.9
HM72B-06R47LF	0.47	16.1	20.0	4.0	4.2
HM72B-06R68LF	0.68	14.4	16.5	5.0	5.5
HM72B-06R82LF	0.82	12.0	14.0	7.2	8.0
HM72B-061R0LF	1.00	10.3	14.0	9.0	10.0
HM72B-061R5LF	1.50	8.4	10.0	13.0	14.0
HM72B-062R2LF	2.20	8.3	8.5	15.0	20.0
HM72B-063R3LF	3.30	6.6	8.0	26.5	28.0
HM72B-064R7LF	4.70	5.4	6.5	35.0	40.0
HM72B-066R8LF	6.80	4.1	5.0	62.0	68.0
HM72B-06100LF	10.0	3.2	4.0	100.0	105.0
HM72B-06220LF	22.0	2.2	3.0	219.0	241.0
HM72B-06330LF	33.0	1.8	2.5	302.0	332.0

Notes:

- Inductance is measured at 100 kHz, 0.1Vac without DC current.
- The Heating Current is the 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.
- The saturation current (Isat) is the approximate current at which the inductance will be decreased by 20% typical from its initial (zero DC) value.

Outline Dimensions (mm)

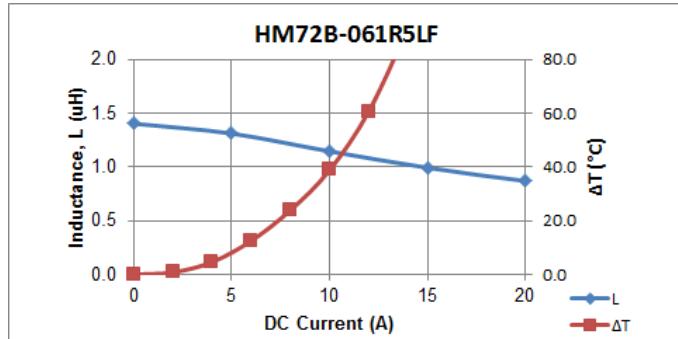
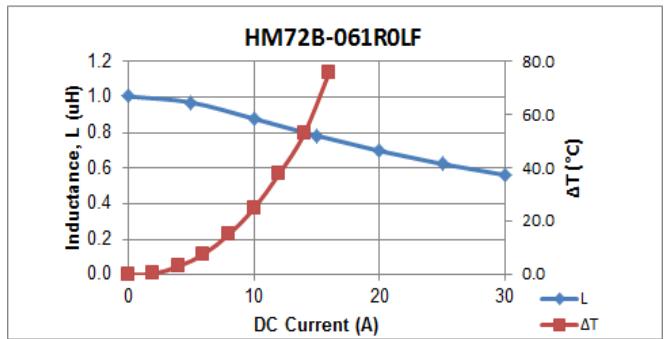
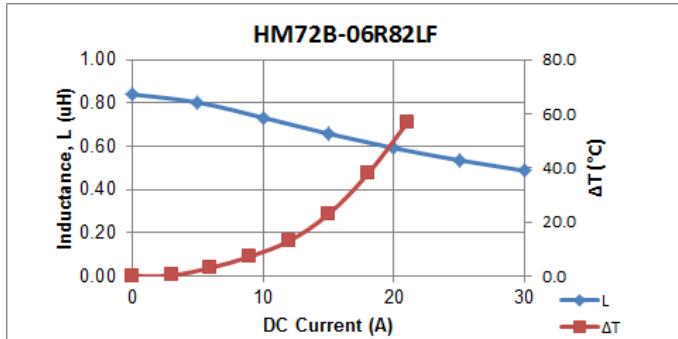
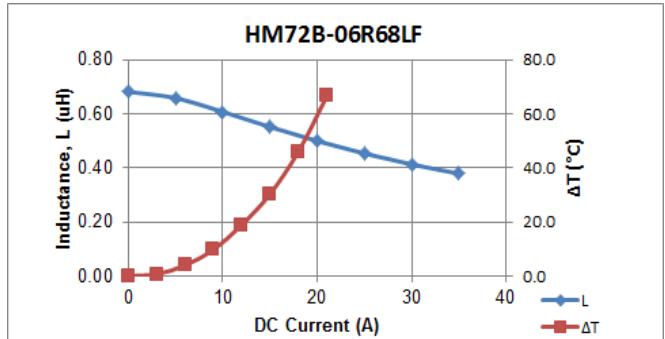
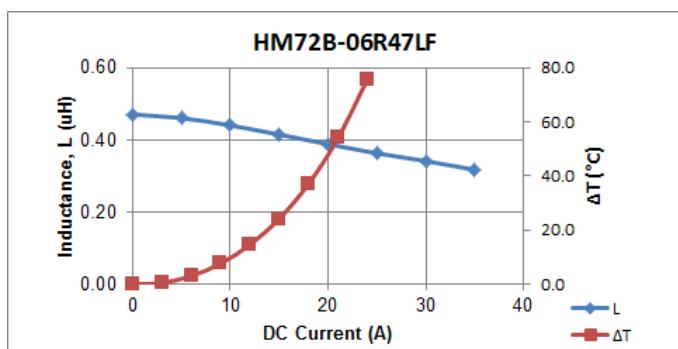
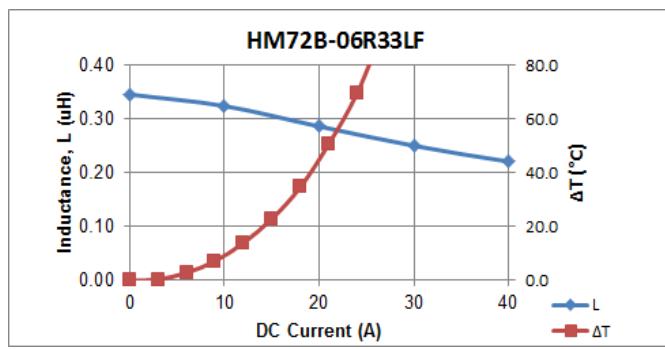
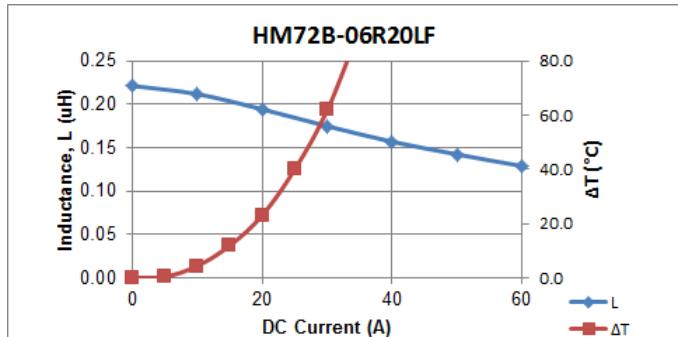
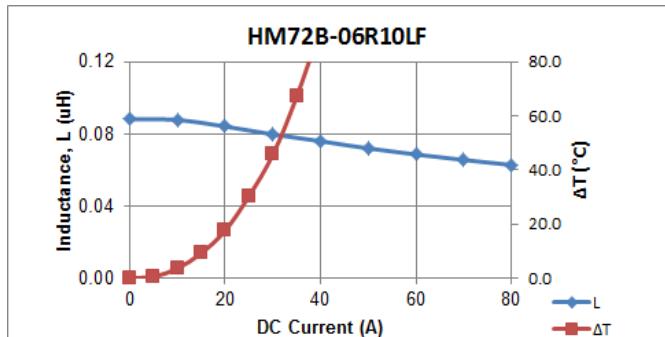


General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.
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Electrical Characteristic @ 25°C

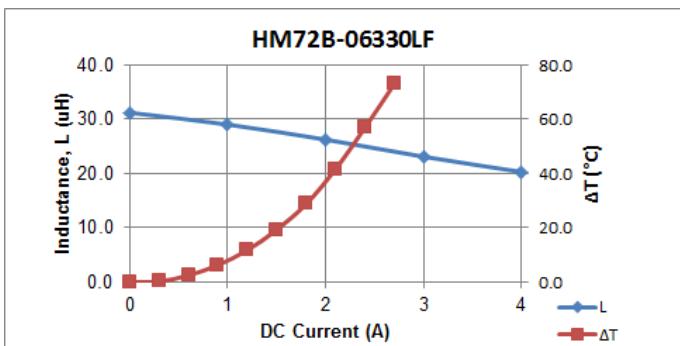
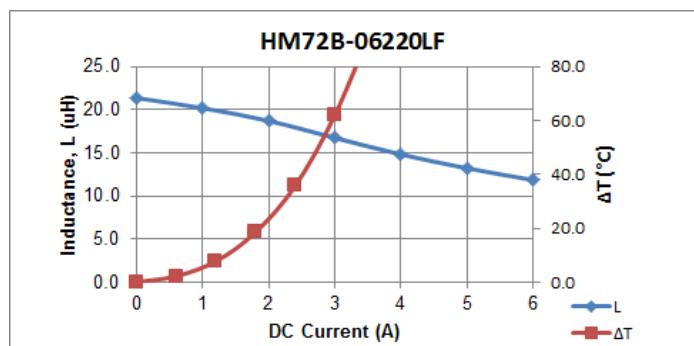
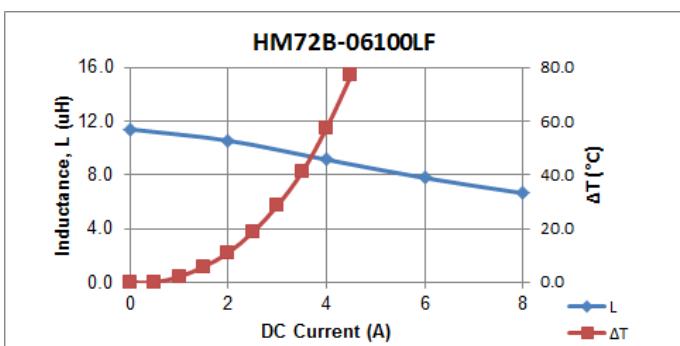
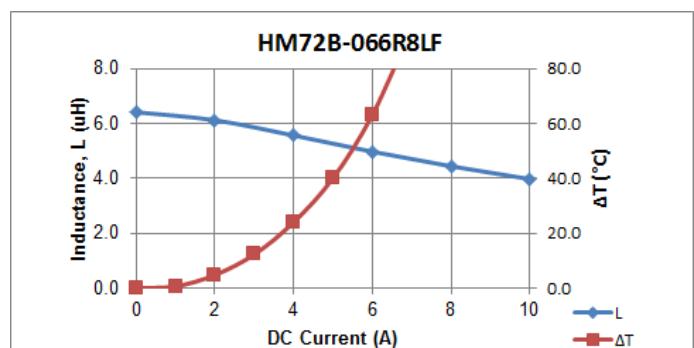
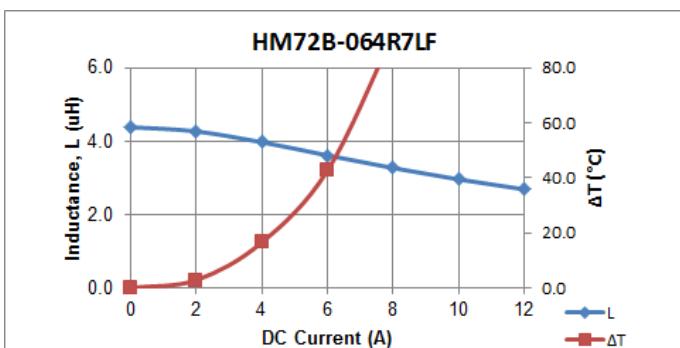
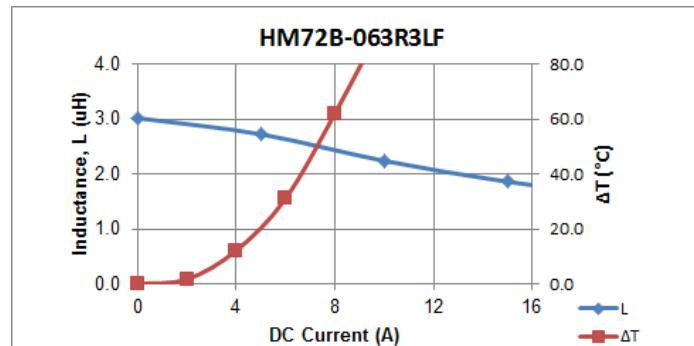
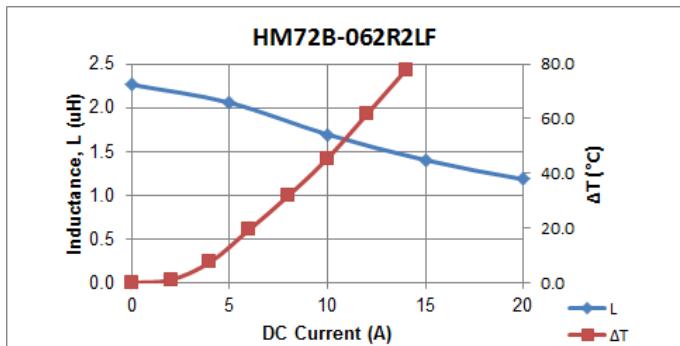


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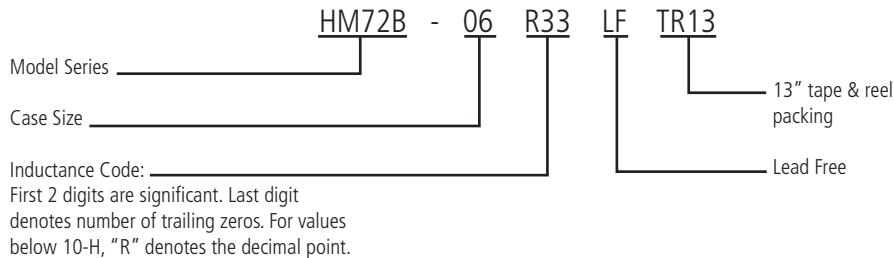


Model HM72B-06 Series

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 10-H, "R" denotes the decimal point.

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