# High Power High Performance Molded Surface Mount Inductors



MODEL HA72E-06

- Operating & Storage Temperature -40°C to +155°C
- Temperature Rise, Maximum 50°C
- Operating Frequency Up to 3MHz
- AECQ-200 CERTIFIED



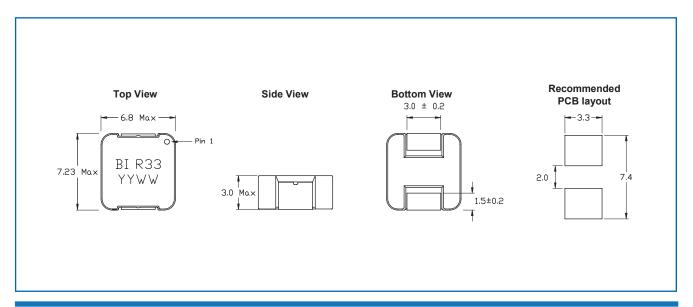
# Specifications @ 25°C

Part Number	Inductance <sup>(1)</sup> µH±20%	Heating Current <sup>(2)</sup> (Adc)	lsat <sup>(3)</sup> (Adc)	DCR (mΩ)	
				Тур.	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-06330LF	33.0	1.8	2.5	302.0	332.0

Notes: (1) Inductance is measured at 100 kHz, 0.1Vac without DC current.

- (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 130°C.

# Electrical Characteristics @ 25°C



#### **General Note**

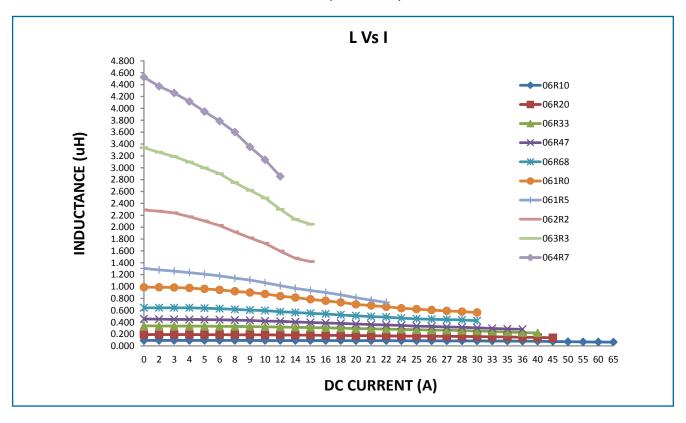
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<sup>(2)</sup> The Heating Current is the approximate DC current which causes the component temperature to increase by 50°C. This current is determined by soldering the component on a typical application PCB, and then applying the current to the device for 30 minutes.



### Electrical Characteristic @ 20°C (Cont'd)



### Packing / Ordering Information

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

