

# Low Profile SMD Power Inductor




## Model HA74

### Features:

- Operating Temperature Range  $-50^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$
- Temperature Rise, Maximum  $40^{\circ}\text{C}$
- RoHS Compliant
- AEC-Q200 Certified



 All parts are Pb-free and comply with EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 (RoHS 3)

### Specifications @ $25^{\circ}\text{C}$

Part Number	Inductance $\mu\text{H}^{(1)}$			Heating Current <sup>(2)</sup> (A) Typ	Isat <sup>(3)</sup> (Adc) Typ	DCR <sup>(4)</sup> (m $\Omega$ )		
	Min	Typ	Max			Min	Typ.	Max
HA74-054R7LFTR	3.76	4.70	5.64	3.60	2.90	60.0	74.0	88.0
HA74-055R6LFTR	4.48	5.60	6.72	3.50	2.80	72.0	81.0	90.0
HA74-056R8LFTR	5.44	6.80	8.16	3.00	2.50	106.0	116.0	126.0
HA74-05100LFTR	8.00	10.00	12.00	2.50	2.00	157.0	164.0	171.0
HA74-05120LFTR	9.60	12.00	14.40	2.40	2.00	175.0	190.0	205.0
HA74-05150LFTR	12.00	15.00	18.00	2.00	1.80	204.0	217.0	230.0
HA74-05180LFTR	14.40	18.00	21.6	1.80	1.60	265.0	275.0	285.0
HA74-05220LFTR	17.60	22.00	26.40	1.60	1.40	295.0	305.0	315.0
HA74-05270LFTR	21.60	27.00	32.40	1.50	1.20	385.0	400.0	415.0
HA74-05330LFTR	26.40	33.00	39.60	1.40	1.20	410.0	440.0	470.0

### Notes:

(1) Inductance is measured at 100kHz, 0.1Vrms

(2) The Heating Current is the DC current which causes the component temperature to increase by approximately  $40^{\circ}\text{C}$ . 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) DCR is measured at room temperature  $25^{\circ}\text{C}$

### General Note

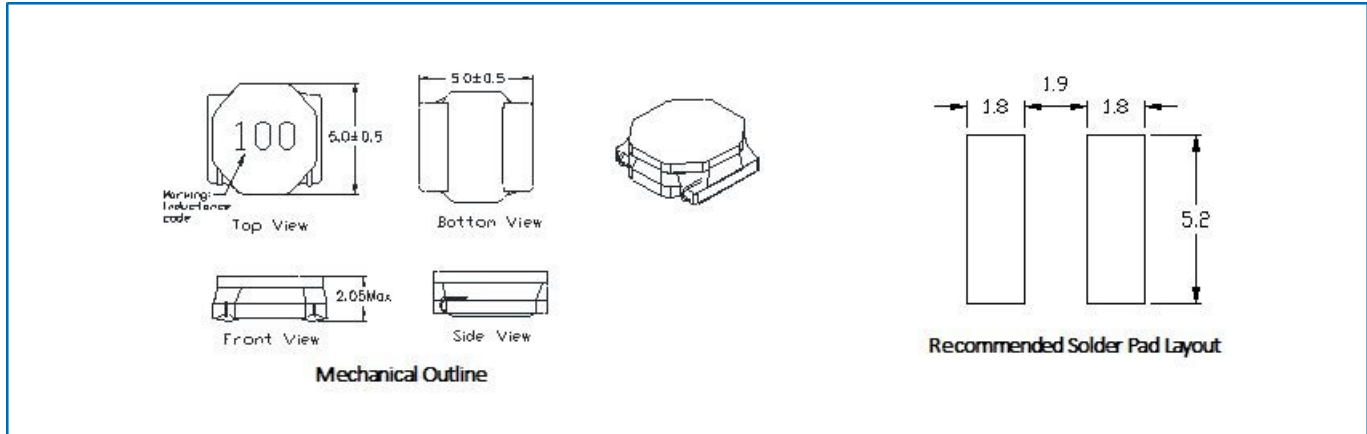
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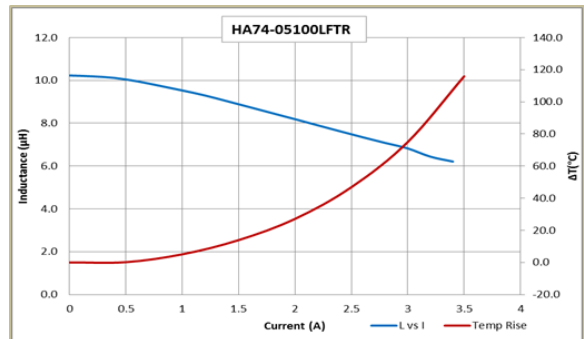
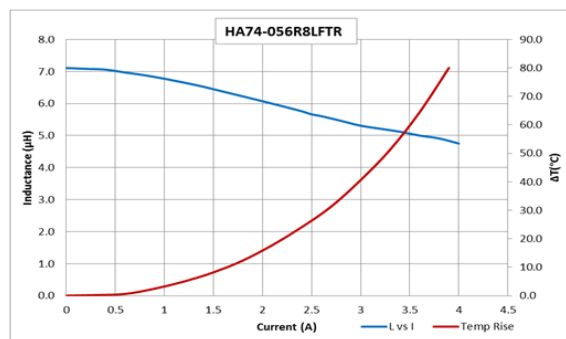
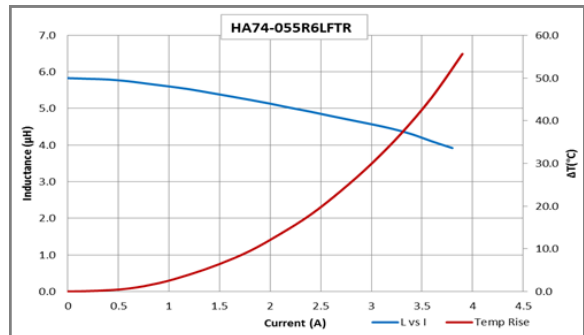
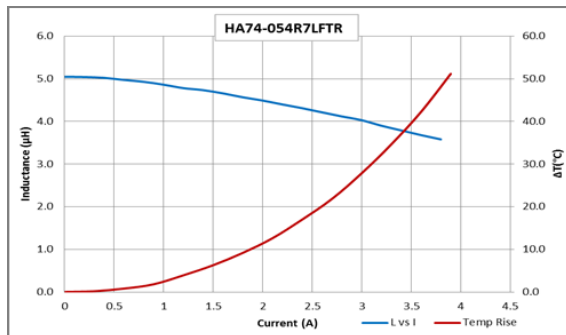
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### Outline Dimensions (mm)



### Electrical Characteristics @ 25°C



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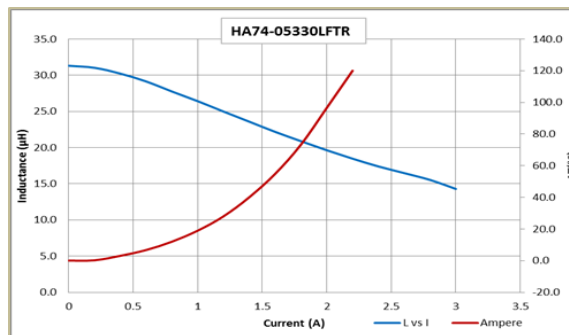
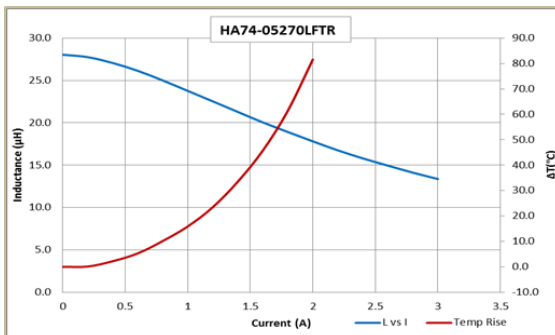
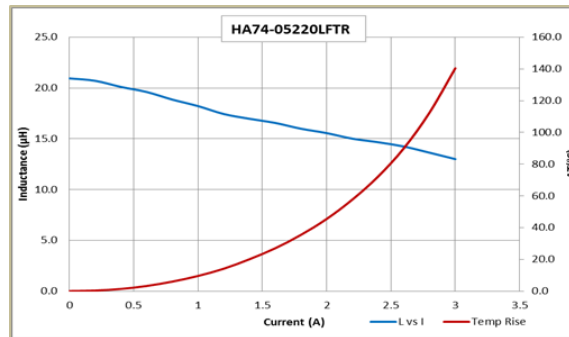
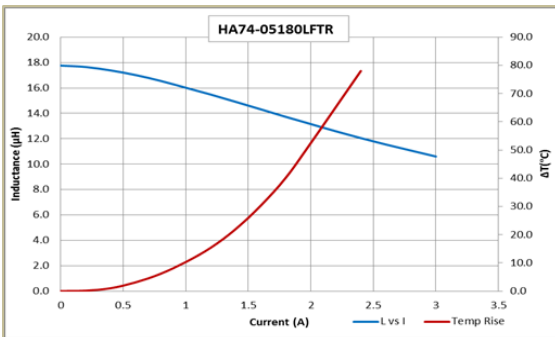
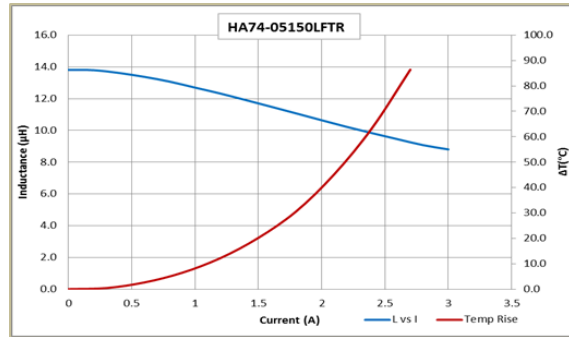
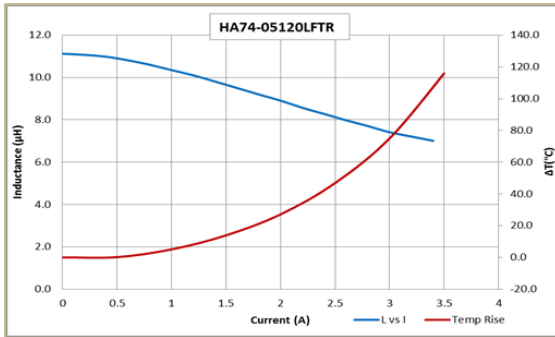
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### Packaging and Ordering Information

HA74 - 05 100 LF TR

Model Series

Model Size : 05x05

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

One reel	2000 pcs
One shipping carton	6 reels or 12000 pcs

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