Low Profile SMD Power Inductor

Model HA74

Features:

- Operating Temperature Range –50°C to +155°C
- Temperature Rise, Maximum 40°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°C

Part Number	Inductance µH [1]			Heating Current[2] (A)	Isat[3] (Adc)	DCR[4] (mΩ)		
	Min	Typ	Max	Typ	Typ	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°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°C

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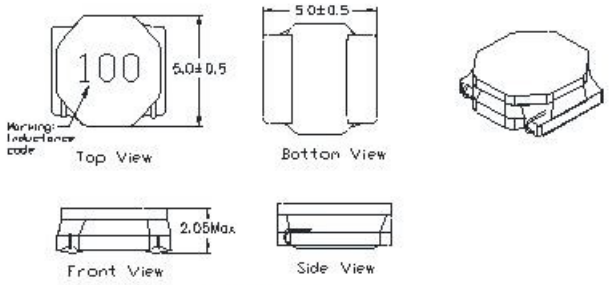
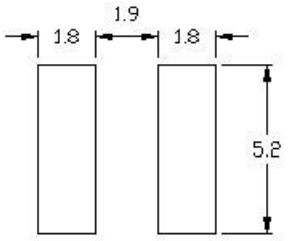
Outline Dimensions (mm)

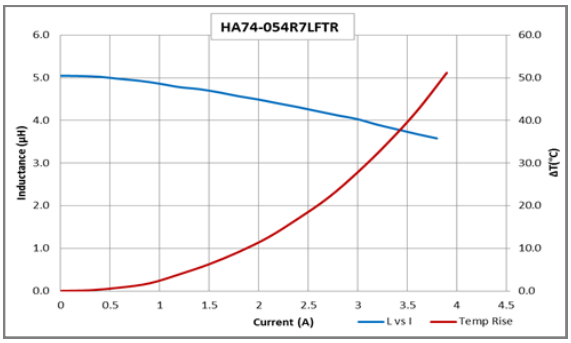


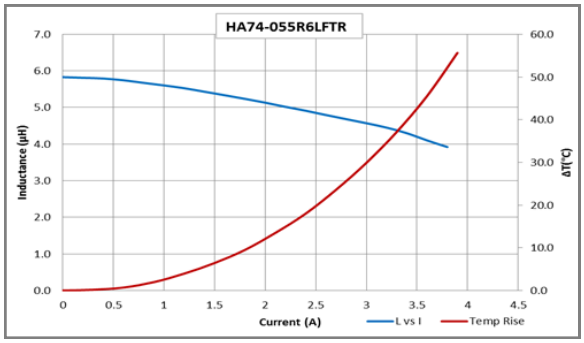
Mechanical Outline

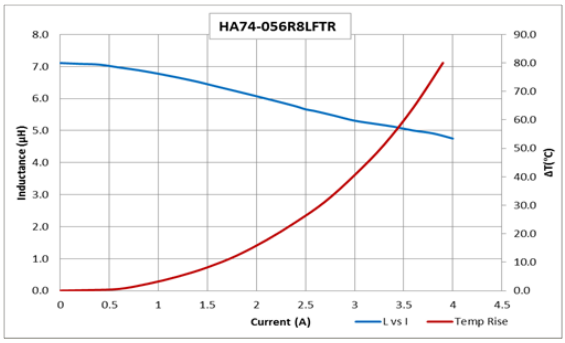


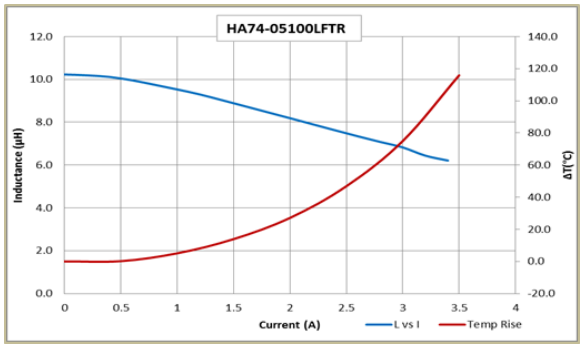
Recommended Solder Pad Layout

Electrical Characteristics @ 25°C









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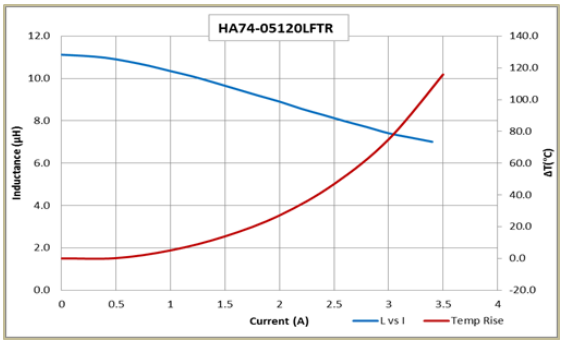

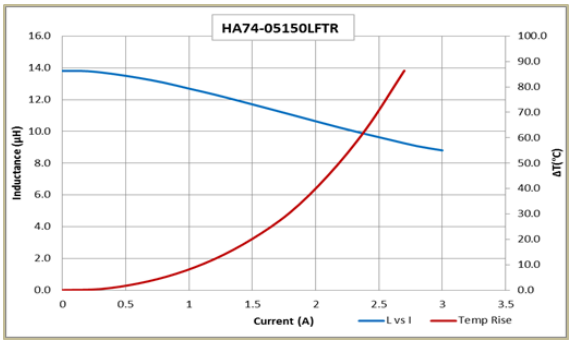

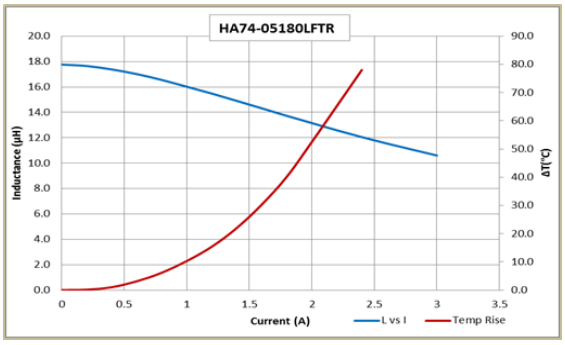

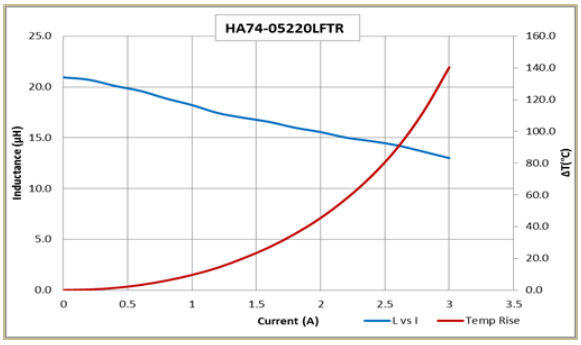

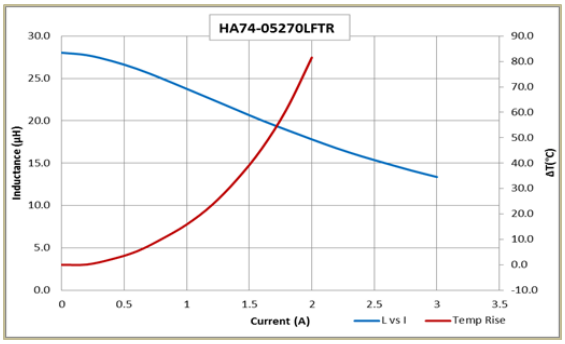

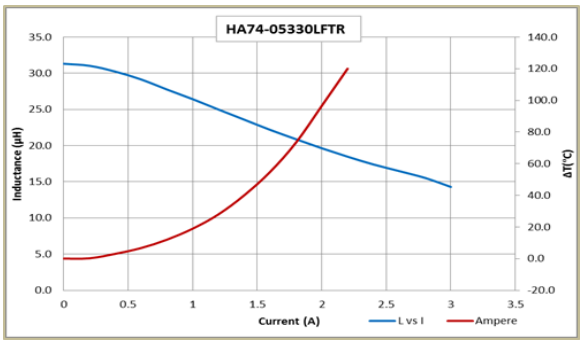

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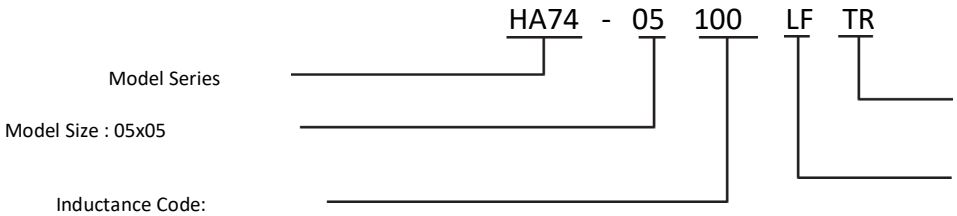
Packaging and Ordering Information



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

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