

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 $\mu\text{H}^{(1)}$			Heating Current ⁽²⁾ (A) Typ	Isat ⁽³⁾ (Adc) Typ	DCR ⁽⁴⁾ (m Ω)		
	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°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

General Note

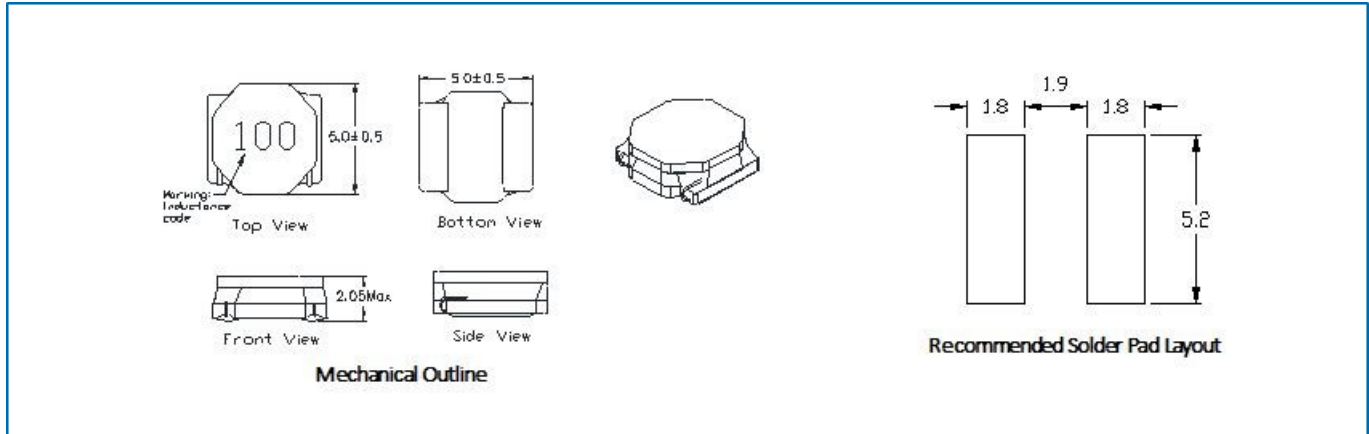
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Low Profile SMD Power Inductor

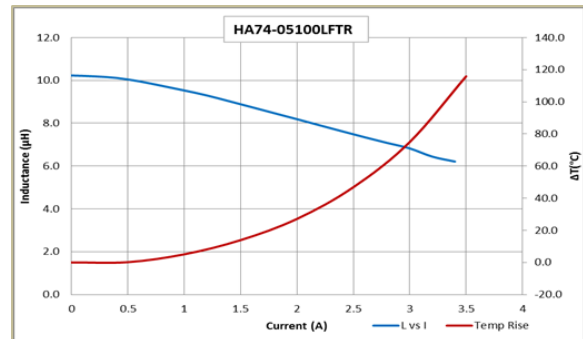
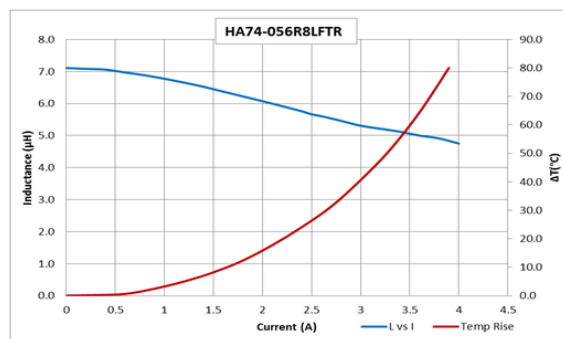
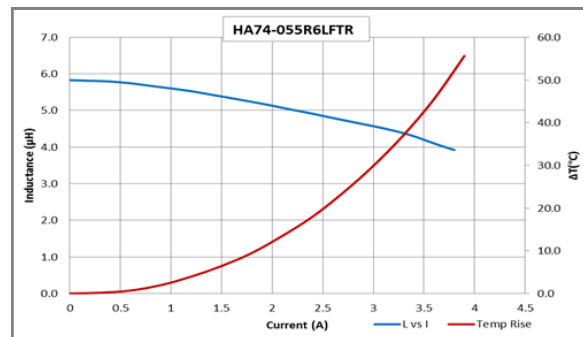
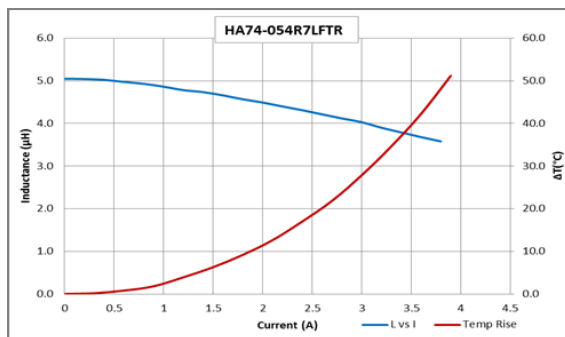
Model HA74



Outline Dimensions (mm)



Electrical Characteristics @ 25°C



General Note

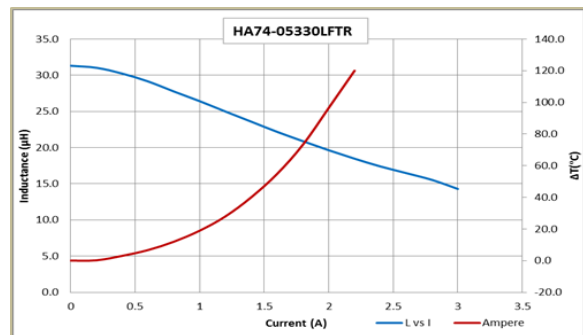
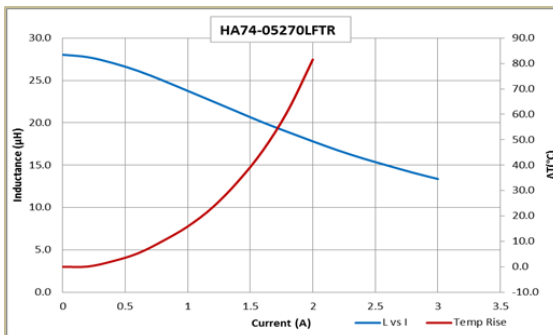
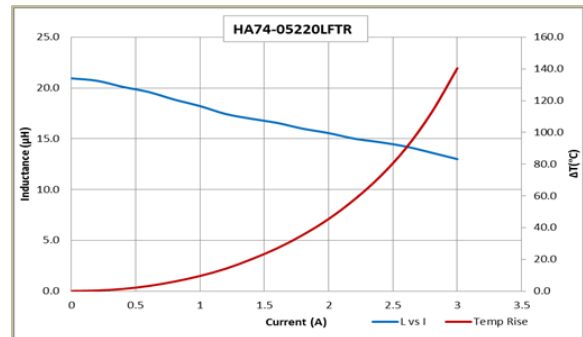
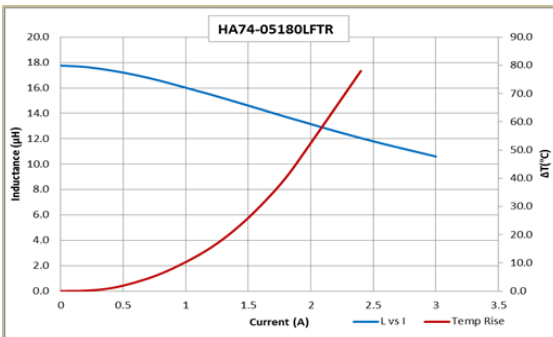
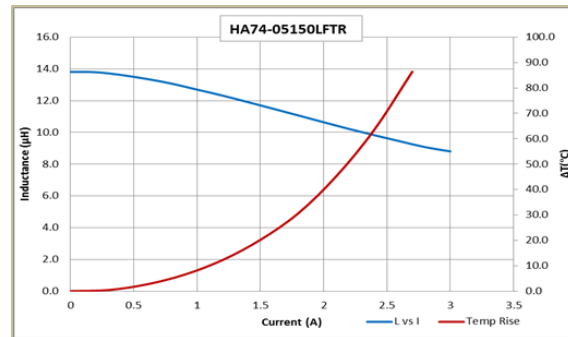
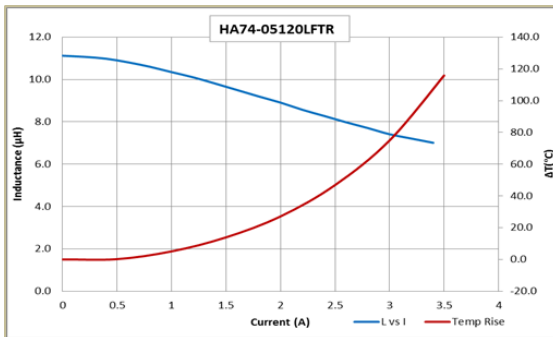
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Low Profile SMD Power Inductor

Model HA74



Electrical Characteristics @ 25°C



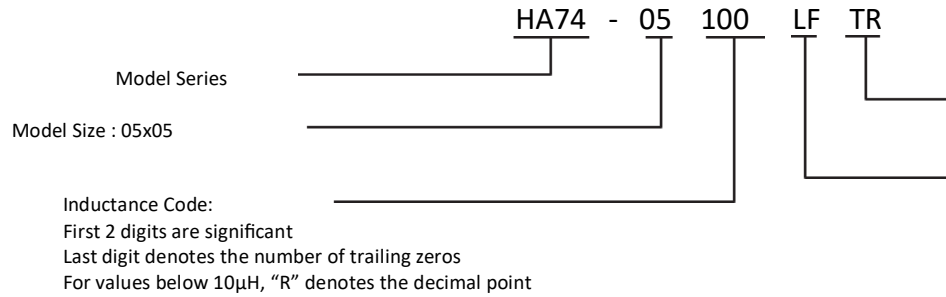
General Note
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Low Profile SMD Power Inductor

Model HA74



Packaging and Ordering Information



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

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.