

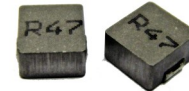
# Power Inductors

## Model HA72L-0624 series

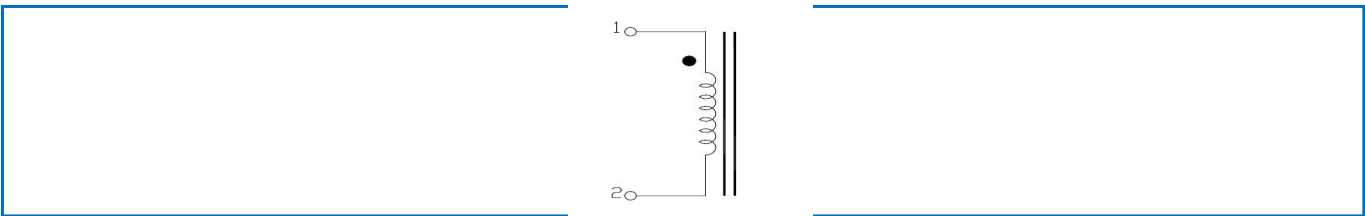


### Features:

- Operating Temperature Range  $-55^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$
- Ambient Temperature, Maximum  $+115^{\circ}\text{C}$
- Temperature Rise,  $40^{\circ}\text{C}$
- RoHS Compliant
- AEC-Q200 Certified



### Schematic



### Specifications @ 25°C

Part Number	Inductance ( $\mu\text{H} \pm 20\%$ @0A)	DCR (m $\Omega$ ) Typ	DCR (m $\Omega$ ) Max	Irms (A)	Isat (A)	Part Number	Inductance ( $\mu\text{H} \pm 20\%$ @0A)	DCR (m $\Omega$ ) Typ.	DCR (m $\Omega$ ) Max	Irms (A)	Isat (A)
HA72L-0624R10LFTR	0.10	1.5	1.7	30.0	50.0	HA72L-06242R2LFTR	2.20	28.0	34.0	6.5	14.0
HA72L-0624R22LFTR	0.22	2.9	3.2	21.0	34.0	HA72L-06243R3LFTR	3.30	36.5	51.6	5.0	13.0
HA72L-0624R33LFTR	0.33	3.7	4.1	18.0	22.0	HA72L-06244R7LFTR	4.70	45.0	63.0	4.5	9.0
HA72L-0624R47LFTR	0.47	6.0	6.5	13.5	21.0	HA72L-06245R6LFTR	5.60	66.0	73.0	4.0	8.0
HA72L-0624R68LFTR	0.68	8.7	9.4	11.0	18.0	HA72L-06246R8LFTR	6.80	72.5	95.0	3.6	7.0
HA72L-0624R82LFTR	0.82	10.6	11.8	10.0	17.0	HA72L-06248R2LFTR	8.20	95.0	106.0	3.0	6.5
HA72L-06241R0LFTR	1.00	13.1	14.2	9.0	16.0	HA72L-0624100LFTR	10.0	115.6	129.0	2.5	6.0
HA72L-06241R5LFTR	1.50	18.5	21.2	7.5	15.0						

- Notes: (1) Isat is the saturation current at which inductance rolls off approximately 30% from its initial (zero DC)  
 (2) Irms is the approximate current at which  $\Delta T = 40^{\circ}\text{C}$   
 (3) Operating Temperature Range  $-55^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$   
 (4) Test condition for all case sizes is 100kHz @ 1V

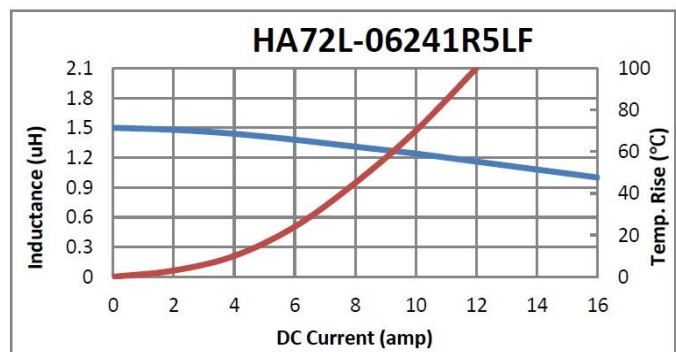
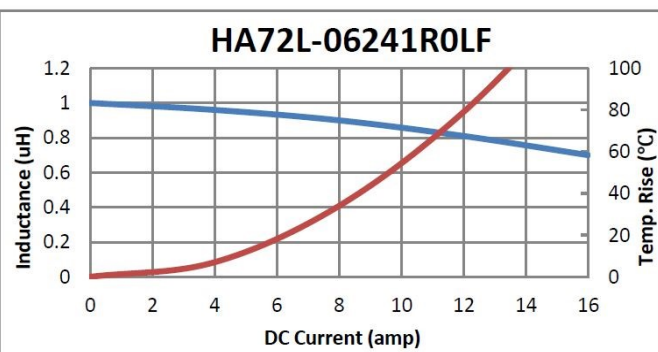
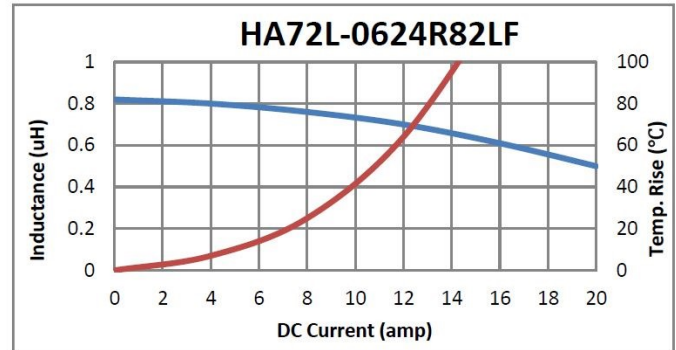
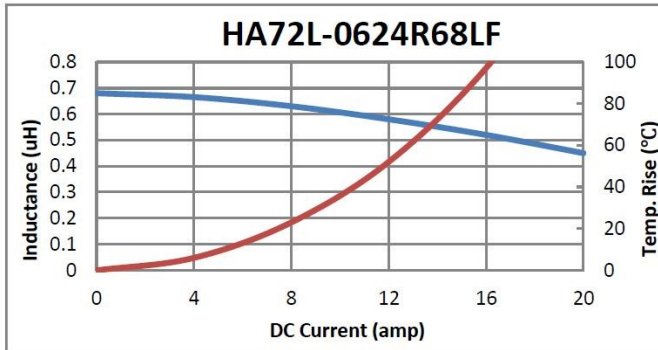
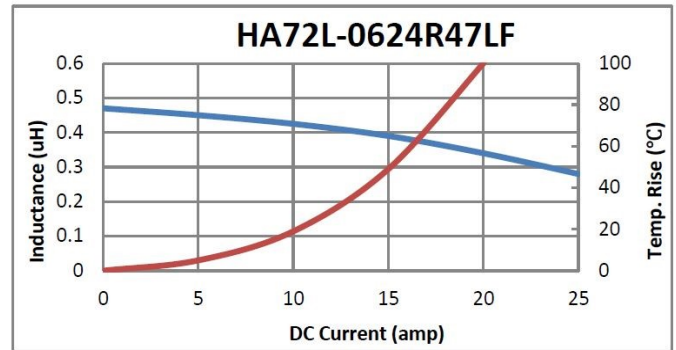
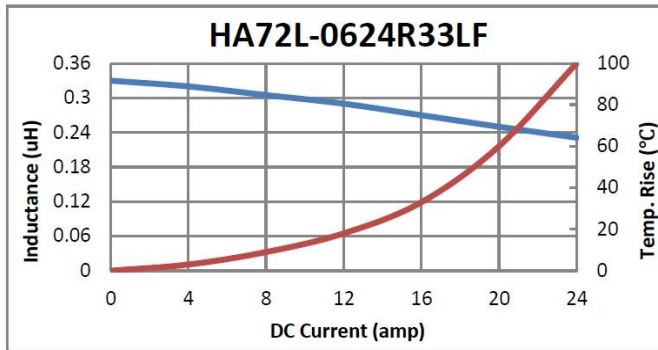
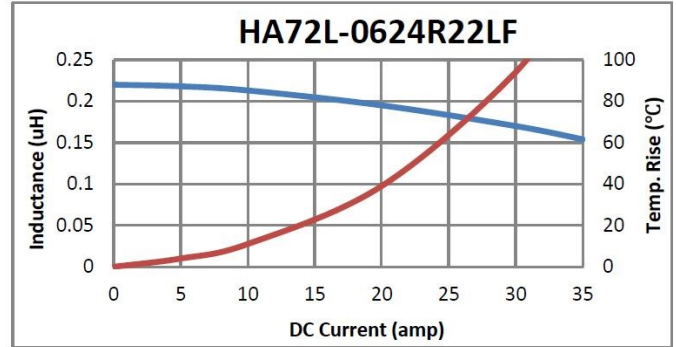
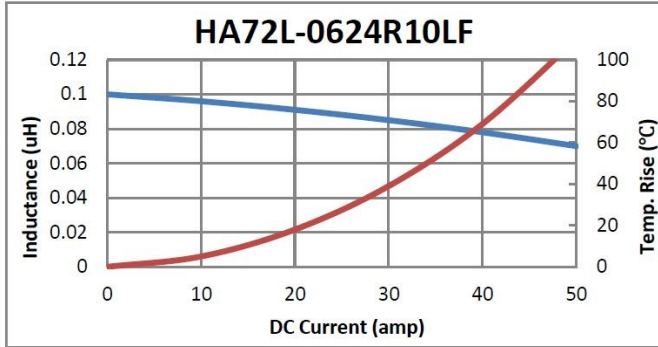
#### General Note

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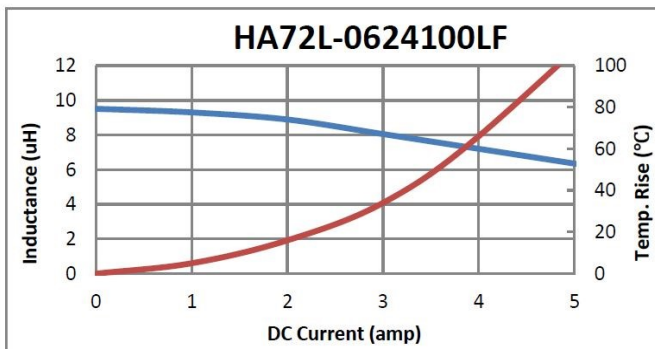
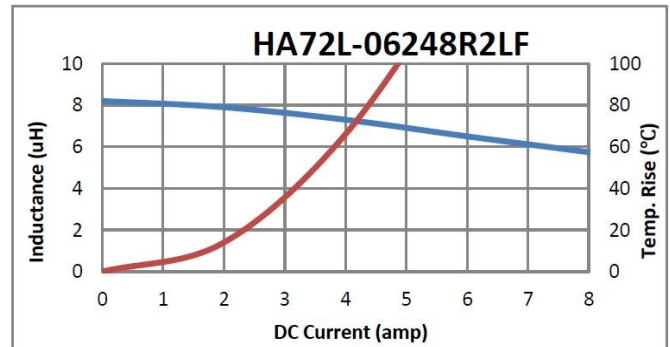
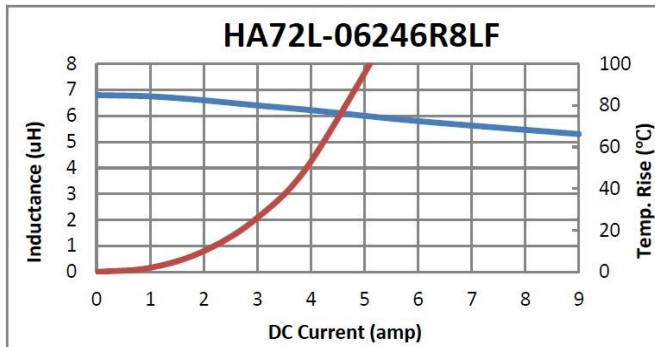
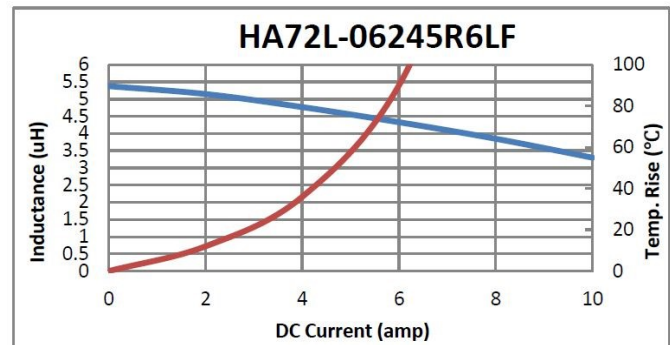
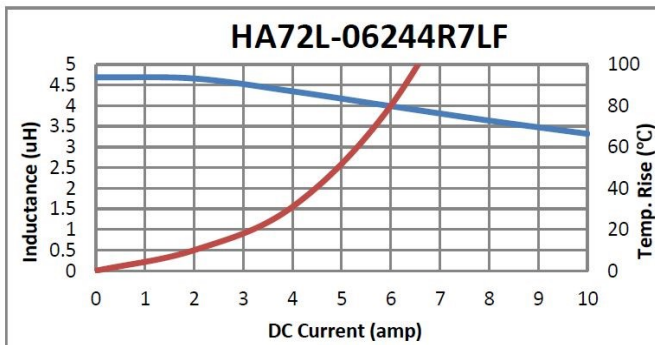
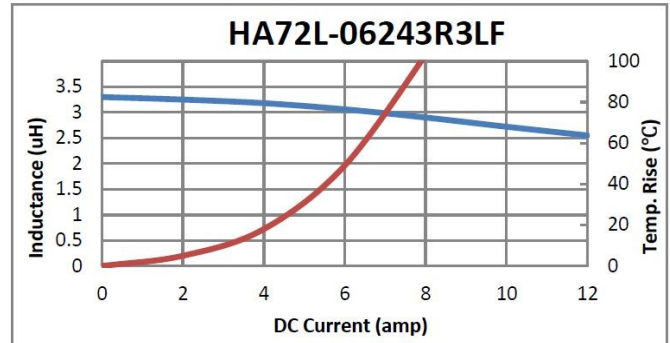
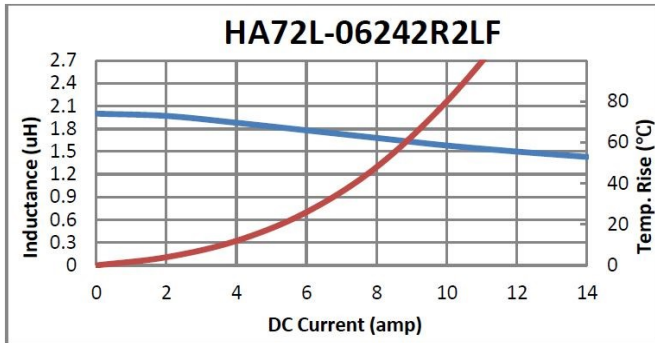
A-1445, Jalan Tanjung Api  
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### Electrical Specifications



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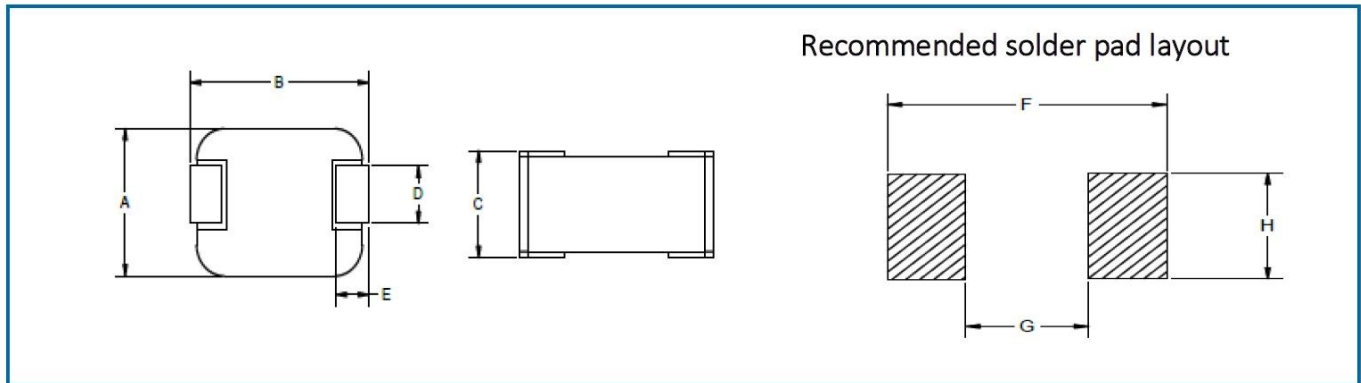
### Electrical Specifications @ 25°C



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 A-1445, Jalan Tanjung Api  
 25050 Kuantan Pahang Darul Makmur, Malaysia | Ph: +60 9 565 8888  
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### Outline Dimensions (mm)



CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
0624 series	6.60 ± 0.3	7.10 ± 0.3	2.4	3.0 ± 0.3	1.6 ± 0.5	7.40	3.70	3.50

### Packaging

Standard:	Embossed Tape and Reel		
	Reel:	Diameter	All case size = 13" (330mm)
		Capacity	Case size 0624 = 1,000 units

### Ordering Information

