


Power Inductors

MODEL HA72L-1265 series

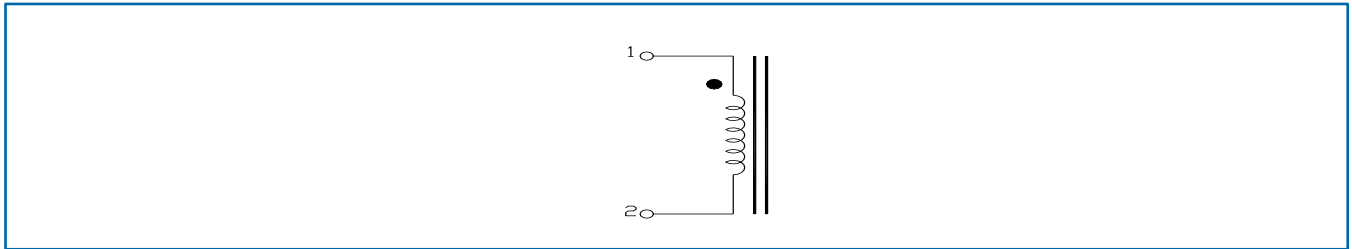
Features

- Operating Temperature Range -55°C to +155°C
- Ambient Temperature, Maximum +115°C
- Temperature Rise, 40°C
- RoHS Compliant
- AEC-Q200 Certified



 All parts are Pb-free and comply with EU Directive 2011/65/EU (RoHS2)

Schematic



Specifications @ 25°C

Part Number	Inductance ($\mu\text{H} \pm 20\%$ @0A)	DCR (m Ω) Typ	DCR (m Ω) Max	I _{rms} (A)	I _{sat} (A)	Part Number	Inductance ($\mu\text{H} \pm 20\%$ @0A)	DCR (m Ω) Typ.	DCR (m Ω) Max	I _{rms} (A)	I _{sat} (A)
HA72L-1265R10LFTR	0.10	0.47	0.50	60.0	80.0	HA72L-12652R8LFTR	2.80	4.20	4.80	20.0	25.0
HA72L-1265R15LFTR	0.15	0.53	0.60	55.0	80.0	HA72L-12653R3LFTR	3.30	5.70	6.80	18.0	35.0
HA72L-1265R22LFTR	0.22	0.63	0.70	53.0	80.0	HA72L-12654R2LFTR	4.20	5.80	7.20	11.0	28.0
HA72L-1265R30LFTR	0.30	0.70	0.80	48.0	72.0	HA72L-12654R7LFTR	4.70	9.30	11.20	13.5	30.0
HA72L-1265R33LFTR	0.33	0.83	0.90	46.0	65.0	HA72L-12655R6LFTR	5.60	11.80	12.80	12.0	26.5
HA72L-1265R40LFTR	0.40	0.90	1.00	44.0	64.0	HA72L-12656R8LFTR	6.80	13.10	14.00	11.5	16.5
HA72L-1265R47LFTR	0.47	1.00	1.20	41.0	63.0	HA72L-12658R2LFTR	8.20	14.50	15.50	10.5	16.0
HA72L-1265R56LFTR	0.56	1.20	1.40	37.0	62.0	HA72L-1265100LFTR	10.0	15.80	16.80	10.0	15.5
HA72L-1265R68LFTR	0.68	1.40	1.60	35.0	60.0	HA72L-1265120LFTR	12.0	23.00	26.00	9.0	14.0
HA72L-1265R82LFTR	0.82	1.60	1.90	33.0	50.0	HA72L-1265150LFTR	15.0	25.00	29.00	6.0	9.0
HA72L-12651R0LFTR	1.00	1.70	2.00	32.0	49.0	HA72L-1265220LFTR	22.0	34.00	39.50	5.0	7.5
HA72L-12651R2LFTR	1.20	2.10	2.50	30.0	48.0	HA72L-1265330LFTR	33.0	55.00	65.00	4.0	6.0
HA72L-12651R5LFTR	1.50	2.50	3.00	27.0	45.0	HA72L-1265470LFTR	47.0	80.00	92.00	3.0	5.0
HA72L-12651R8LFTR	1.80	2.80	3.20	24.0	41.0	HA72L-1265680LFTR	68.0	122.0	134.0	2.0	3.5
HA72L-12652R2LFTR	2.20	3.50	4.20	22.0	40.0						

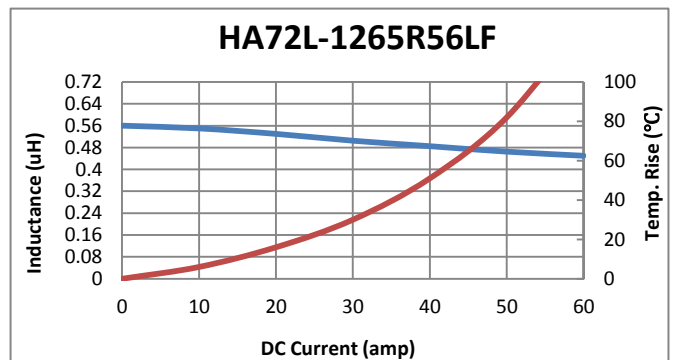
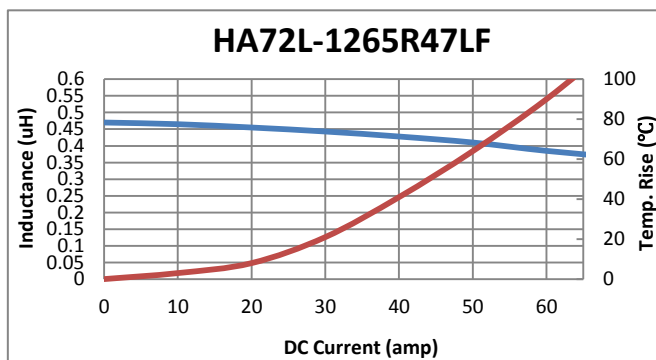
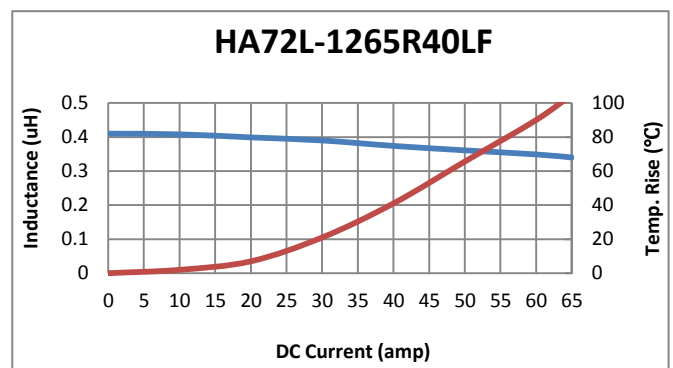
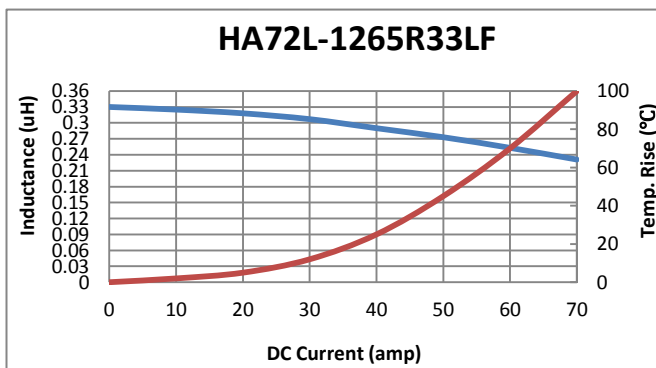
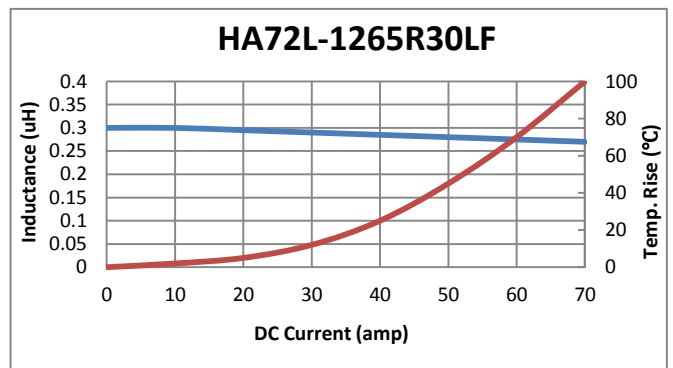
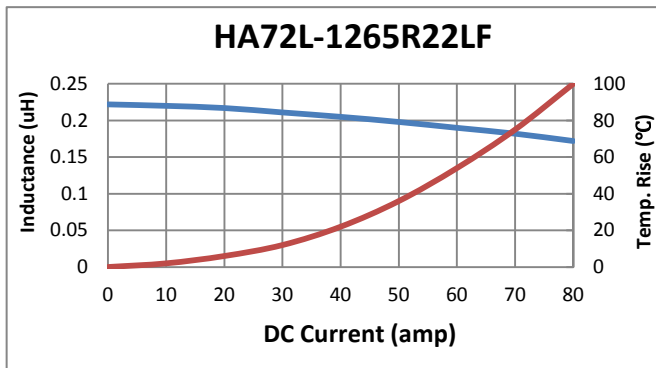
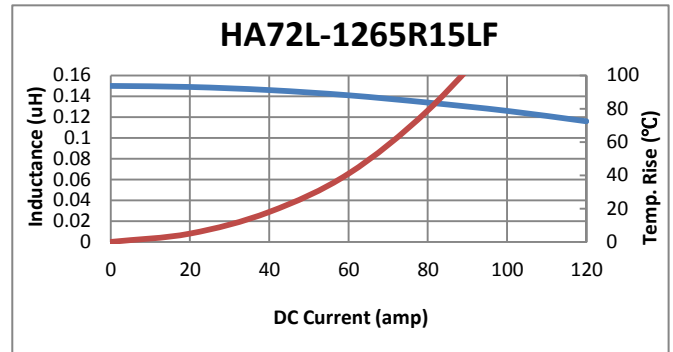
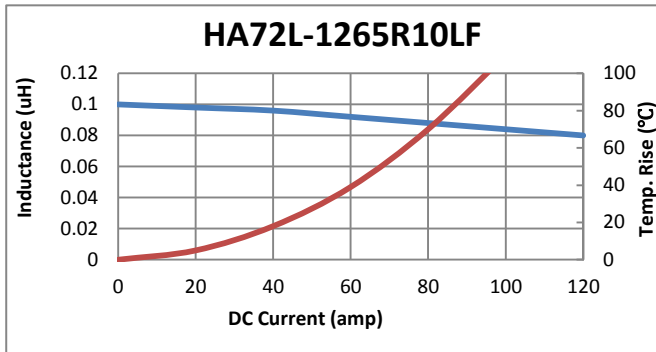
Notes:

- (1) I_{sat} is the saturation current at which inductance rolls off approximately 30% from its initial (zero DC)
- (2) I_{rms} is the approximate current at which $\Delta T = 40^\circ\text{C}$
- (3) Operating Temperature Range -55°C to +155°C

General Note

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Electrical Characteristics

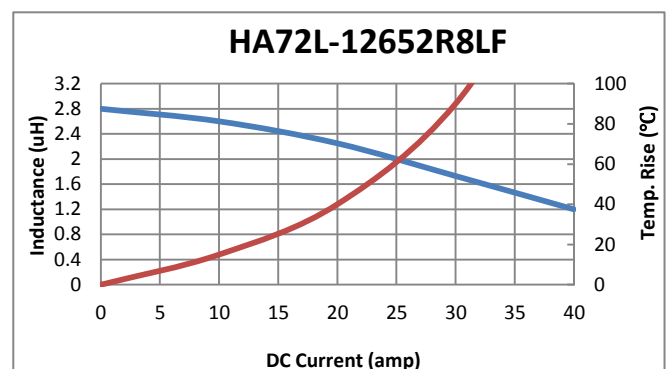
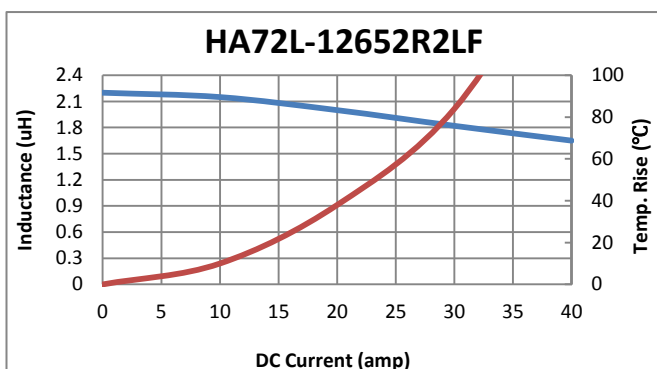
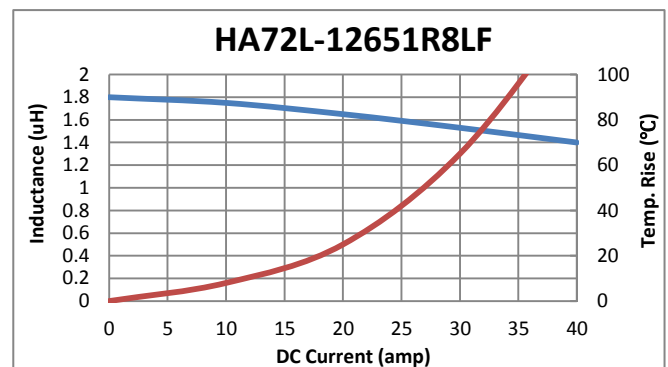
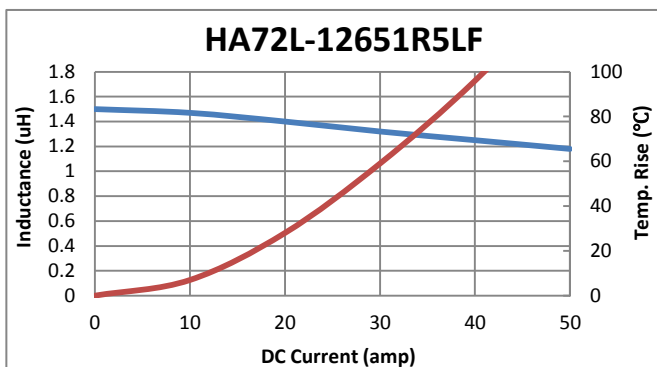
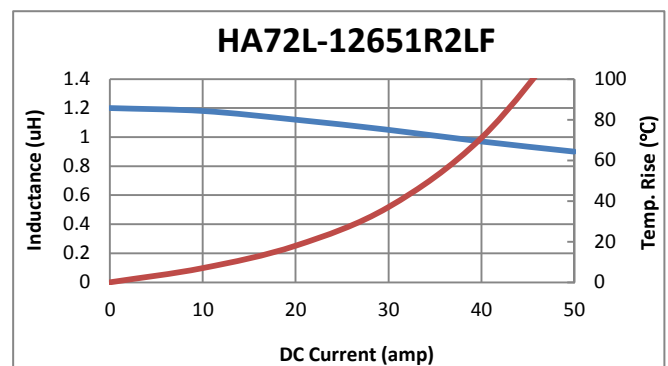
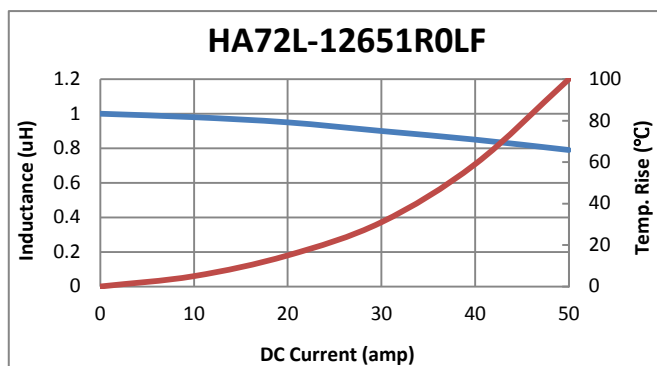
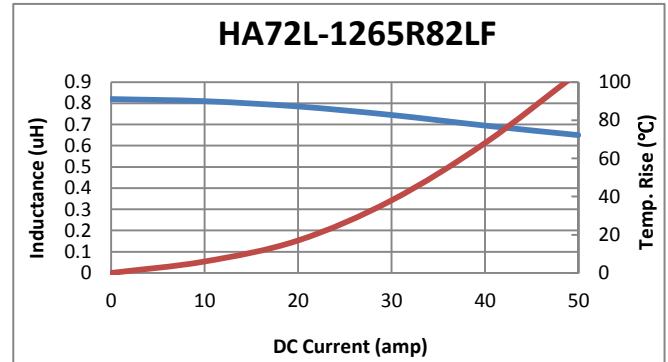
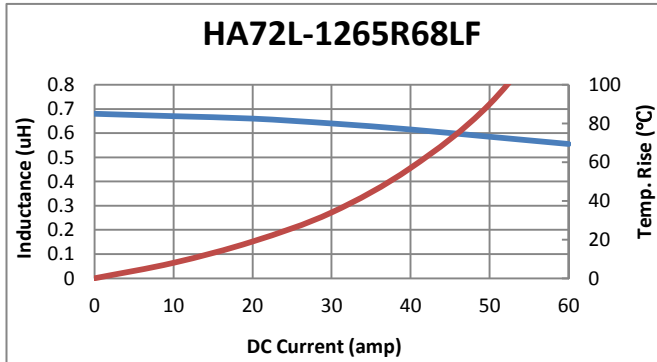


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Power Inductor

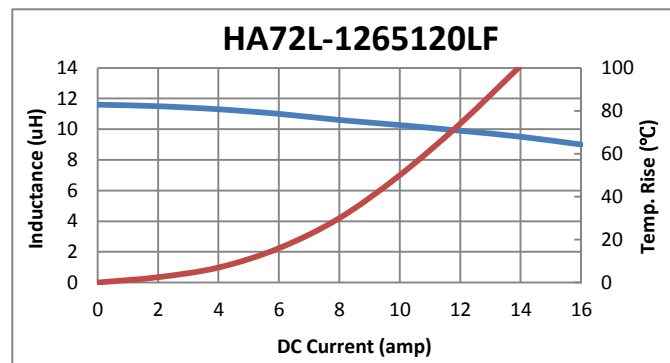
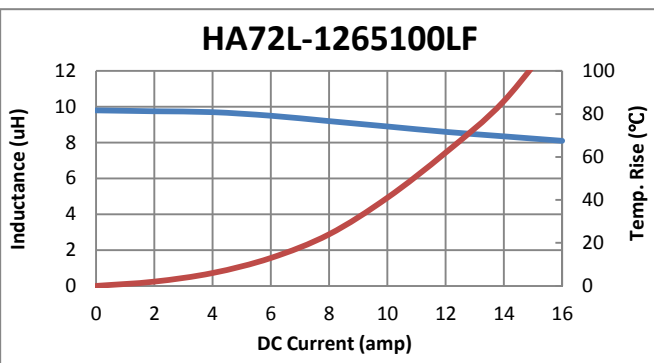
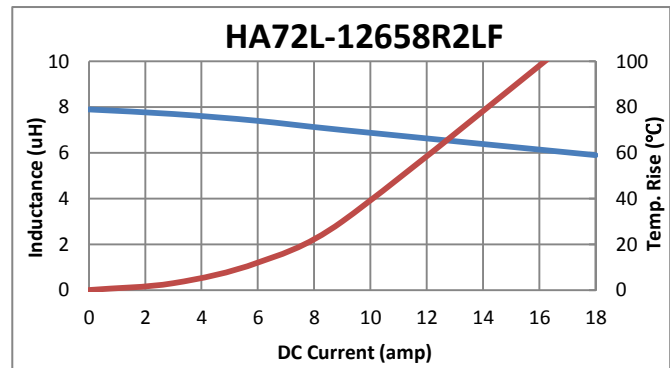
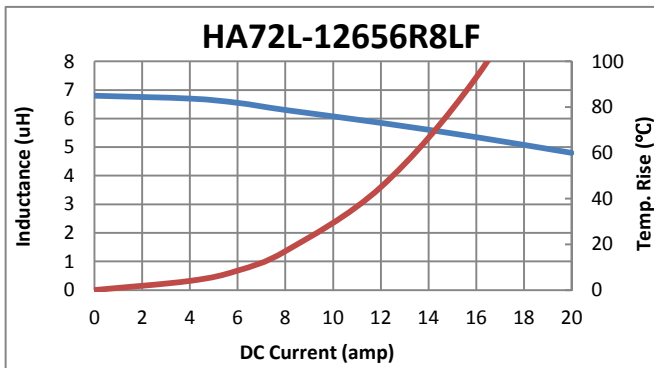
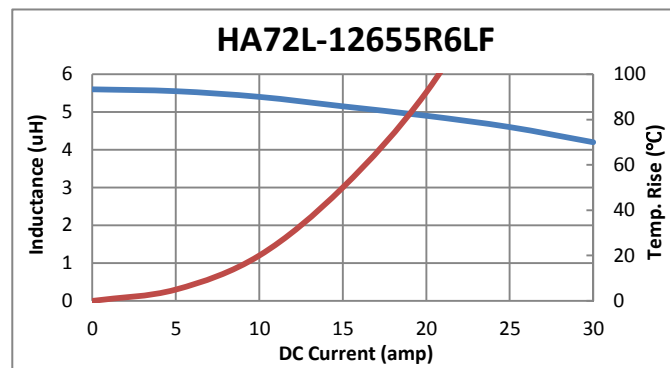
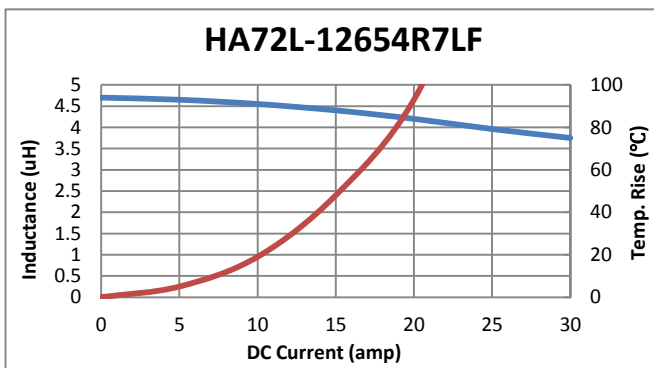
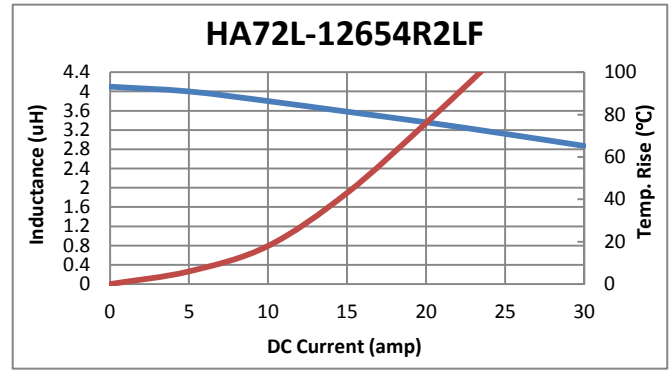
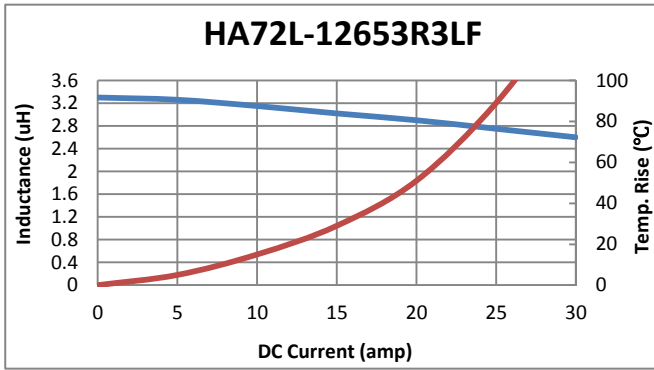
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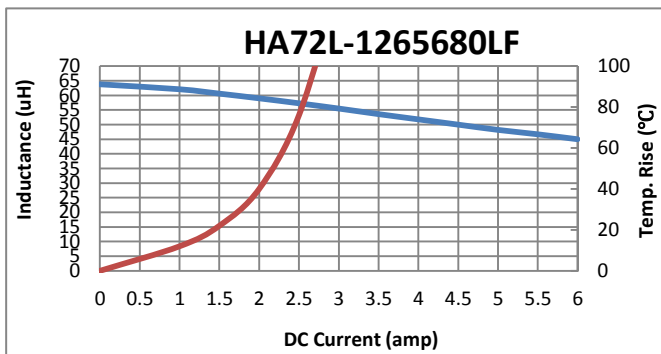
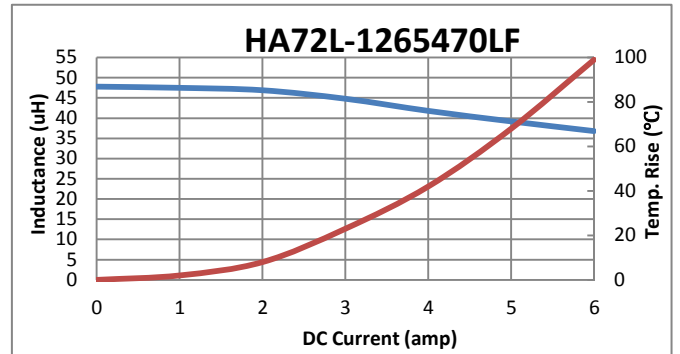
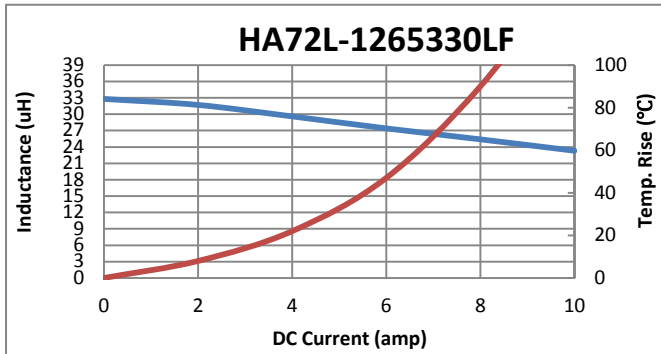
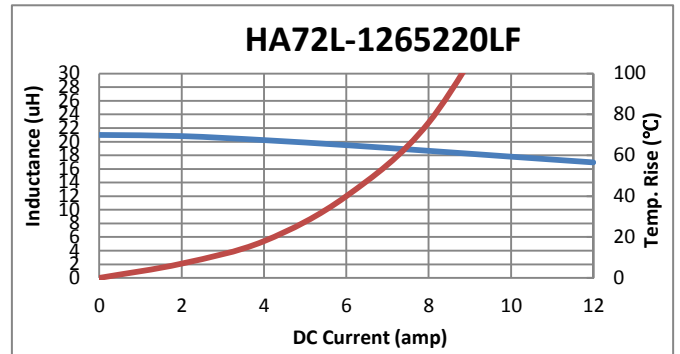
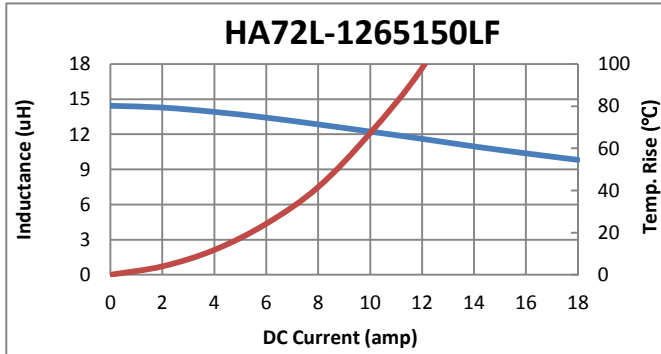
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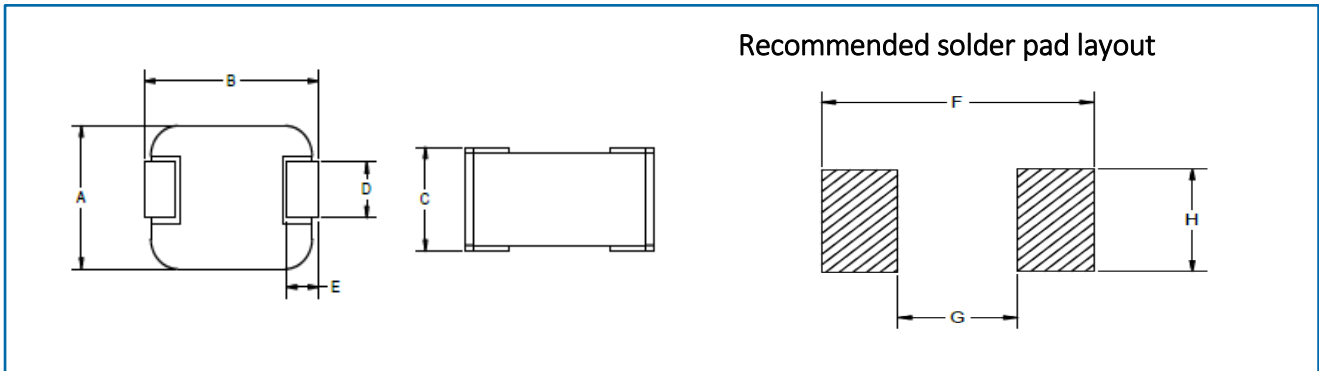


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Outline dimensions (mm)

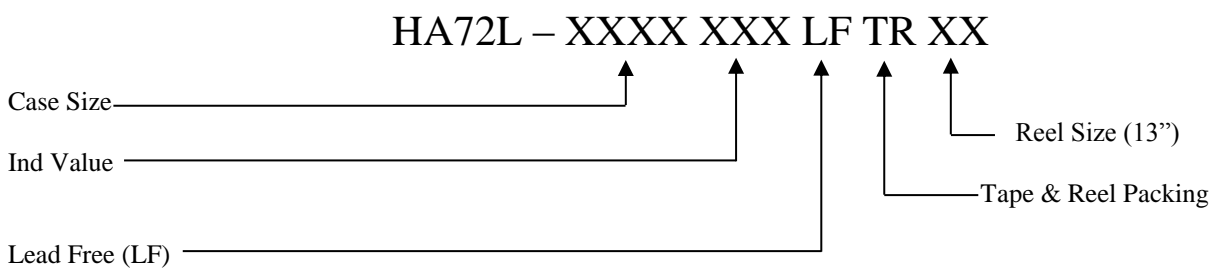


CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
1265 series	12.8 ± 0.3	13.5 ± 0.5	6.5	3.5 ± 0.5	2.5 ± 0.5	15	6	5

Packaging

Standard:	Embossed Tape and Reel			
	Reel:	Diameter	All case size	= 13" (330mm)
		Capacity	Case size 1265	= 400 units

Ordering information



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