

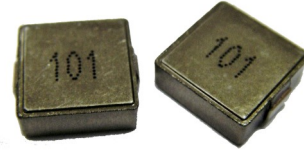
Power Inductors

Model HA72L-1050 series

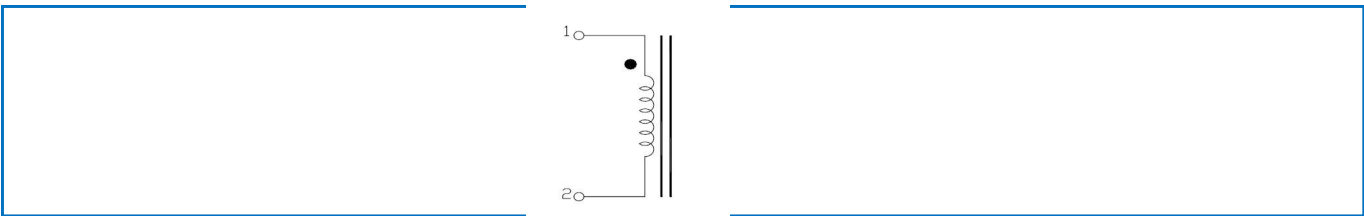


Features:

- Operating Temperature Range -50°C to $+155^{\circ}\text{C}$
- Ambient Temperature, Maximum $+115^{\circ}\text{C}$
- Temperature Rise, 40°C
- RoHS Compliant
- AEC-Q200 Certified



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-1050R30LFTR	0.30	0.60	0.80	38.0	50.0	HA72L-10501R5LFTR	1.50	2.20	3.00	20.0	30.0
HA72L-1050R36LFTR	0.36	0.68	0.82	30.0	32.0	HA72L-10502R2LFTR	2.20	4.00	4.60	17.0	20.0
HA72L-1050R47LFTR	0.47	1.20	1.40	32.0	32.0	HA72L-10502R8LFTR	2.80	5.60	6.50	12.0	18.0
HA72L-1050R56LFTR	0.56	1.40	1.60	30.0	30.0	HA72L-1050100LFTR	10.0	21.00	25.20	7.2	10.0
HA72L-1050R68LFTR	0.68	1.60	1.80	25.0	30.0	HA72L-1050150LFTR	15.0	29.30	35.00	5.9	8.0
HA72L-10501R0LFTR	1.00	2.20	2.50	25.0	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 $+155^{\circ}\text{C}$
 (4) Test condition for all case sizes is 100kHz @ 1V

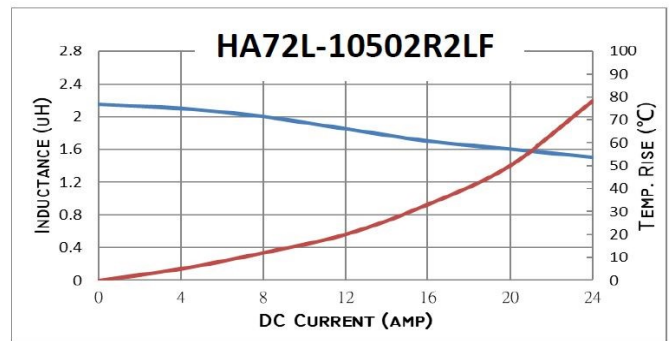
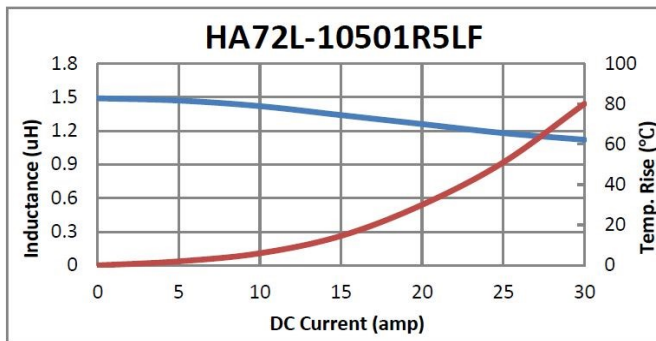
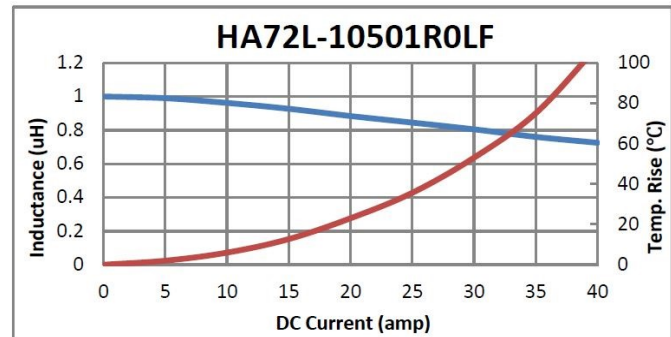
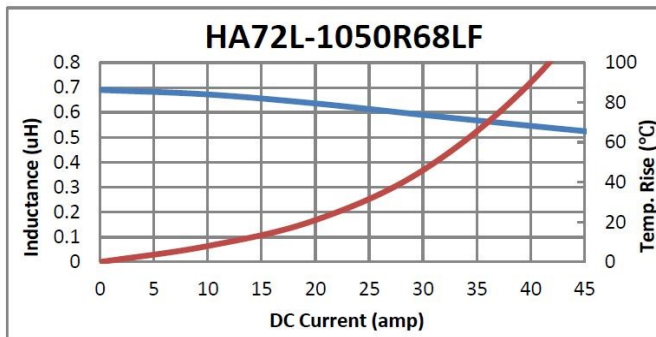
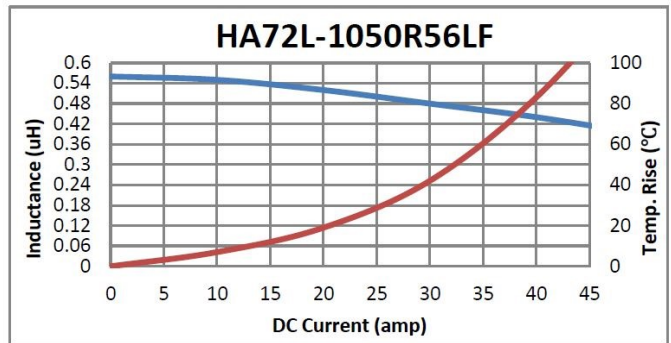
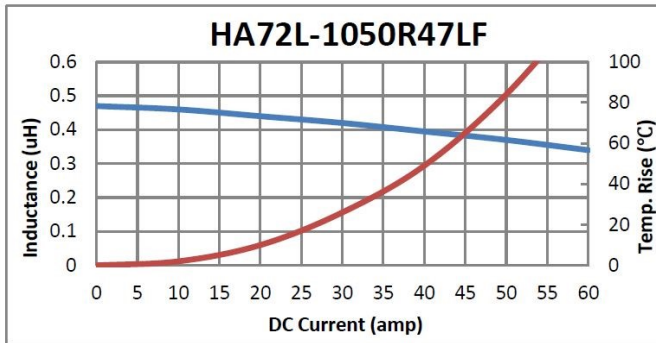
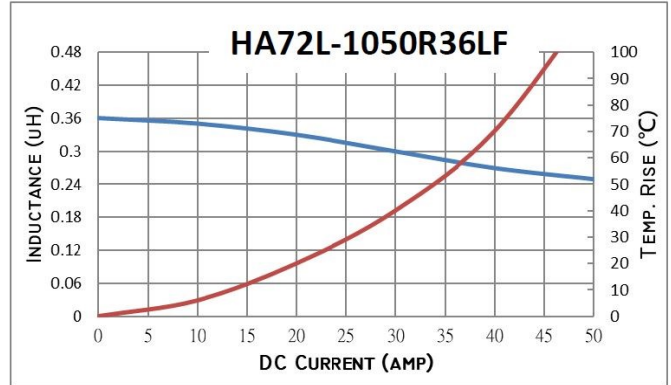
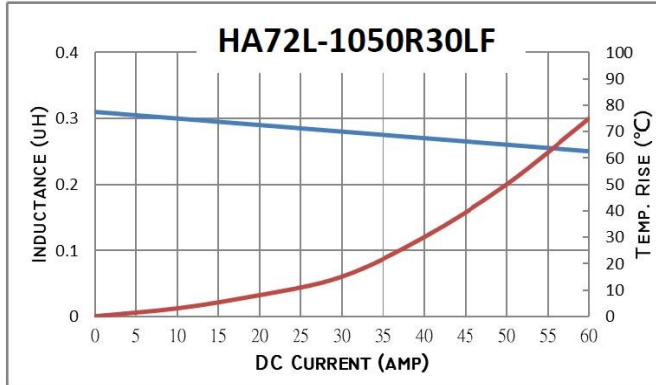
General Note

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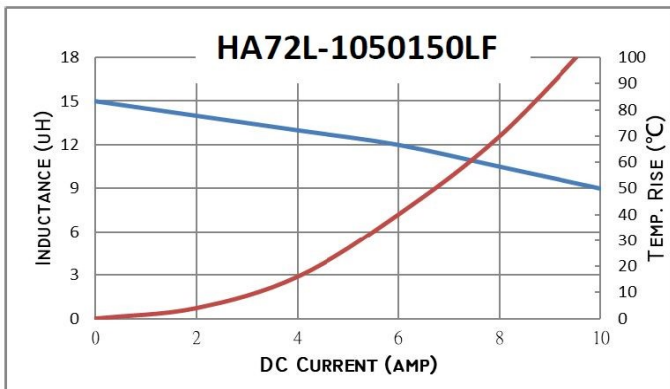
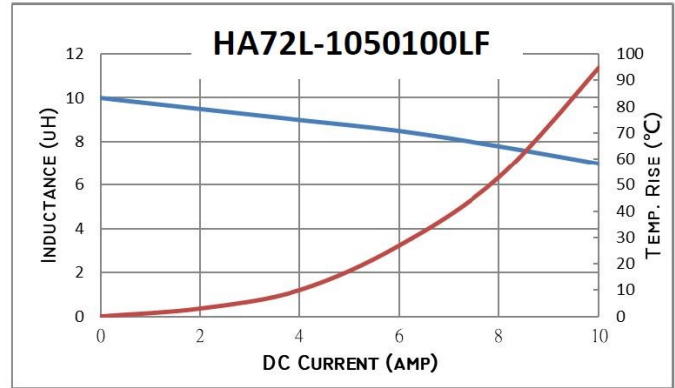
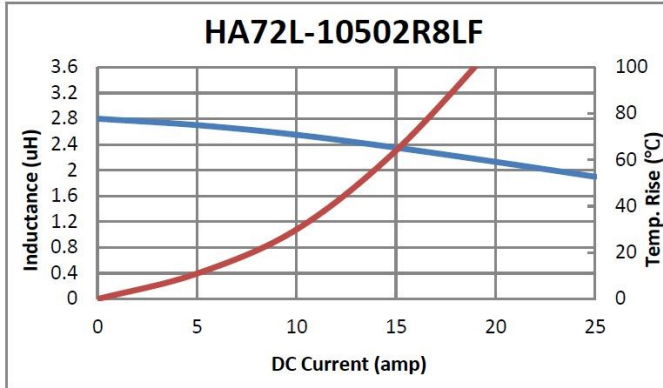
Electrical Specifications @ 25°C



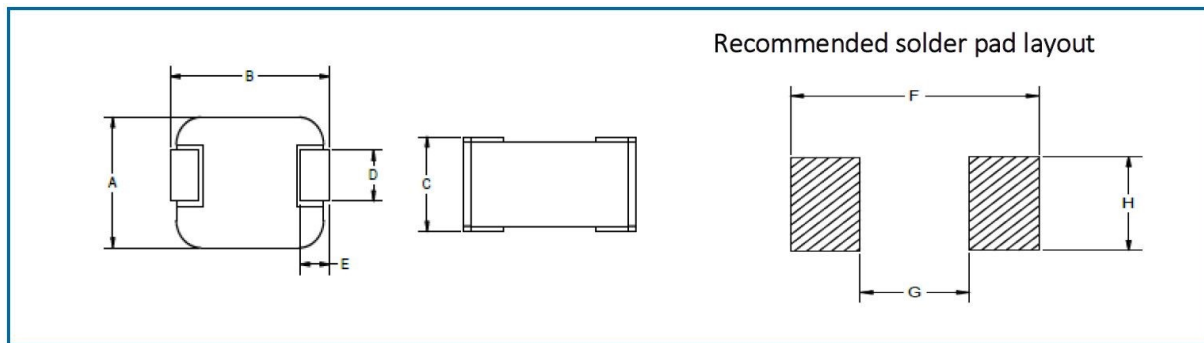
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Electrical Specifications @ 25°C



Outline Dimensions (mm)



CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
1050 series	10.0 ± 0.3	11.5 Max	5	2.8 ± 0.5	2.0 ± 0.5	13	6	4

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Packaging

Standard:	Embossed Tape and Reel			
	Reel:	Diameter	All case size	= 13" (330mm)
		Capacity	Case size 1040	= 500 units

Ordering Information

