

Power Inductors

Model HM72L-0630 series



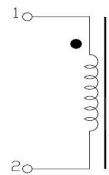
Features:

- Operating Temperature Range -55°C to $+125^{\circ}\text{C}$
- Ambient Temperature, Maximum $+85^{\circ}\text{C}$
- Temperature Rise, 40°C
- RoHS Compliant



 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)
HM72L-0630R10LFTR	0.10	1.5	1.7	32.5	60.0	HM72L-06301R0LFTR	1.00	9.0	10.0	11.0	22.0
HM72L-0630R15LFTR	0.15	1.9	2.5	26.0	52.0	HM72L-06301R5LFTR	1.50	14.0	15.0	9.0	18.0
HM72L-0630R20LFTR	0.20	2.4	3.0	24.0	41.0	HM72L-06302R2LFTR	2.20	18.0	20.0	8.0	14.0
HM72L-0630R22LFTR	0.22	2.5	2.8	23.0	40.0	HM72L-06303R3LFTR	3.30	28.0	30.0	6.0	13.5
HM72L-0630R33LFTR	0.33	3.5	3.9	20.0	30.0	HM72L-06304R7LFTR	4.70	37.0	40.0	5.5	10.0
HM72L-0630R47LFTR	0.47	4.0	4.2	17.5	26.0	HM72L-06305R6LFTR	5.60	52.0	60.0	4.8	10.0
HM72L-0630R56LFTR	0.56	5.0	5.5	15.5	25.0	HM72L-06306R8LFTR	6.80	54.0	60.0	4.5	8.0
HM72L-0630R68LFTR	0.68	5.0	5.5	15.5	25.0	HM72L-06308R2LFTR	8.20	64.0	68.0	4.0	7.5
HM72L-0630R82LFTR	0.82	6.7	8.0	13.0	24.0	HM72L-0630100LFTR	10.0	102.0	105.0	3.0	7.0

- Notes: (1) Isat 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 $+125^{\circ}\text{C}$

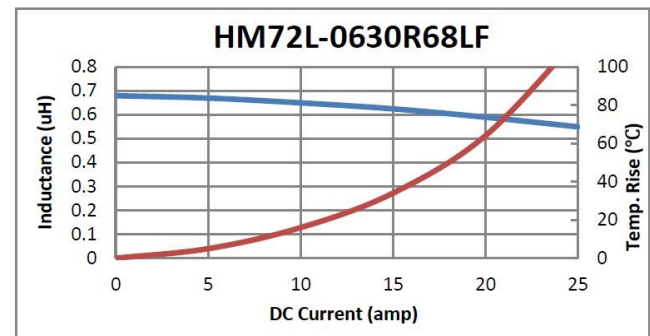
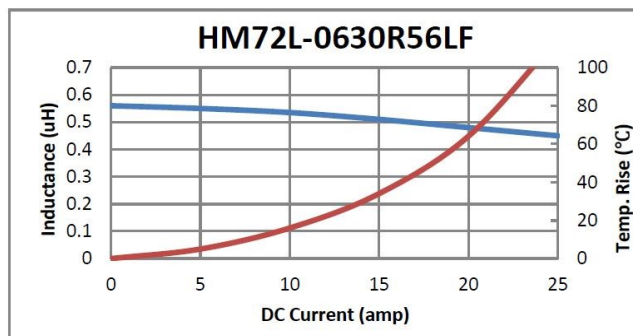
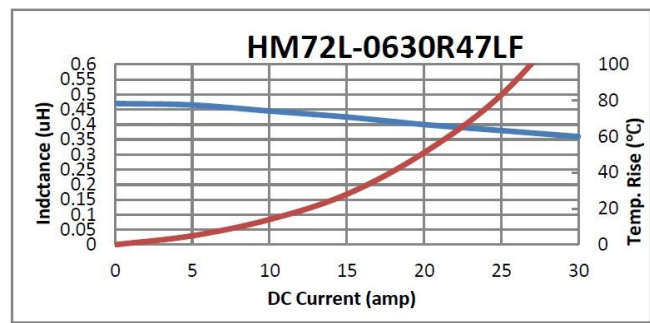
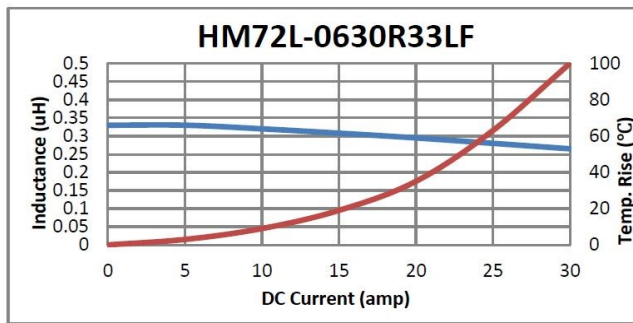
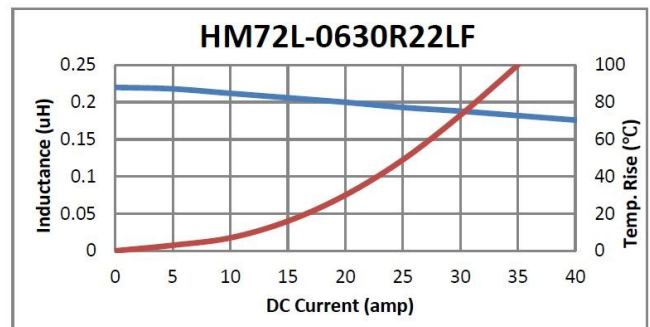
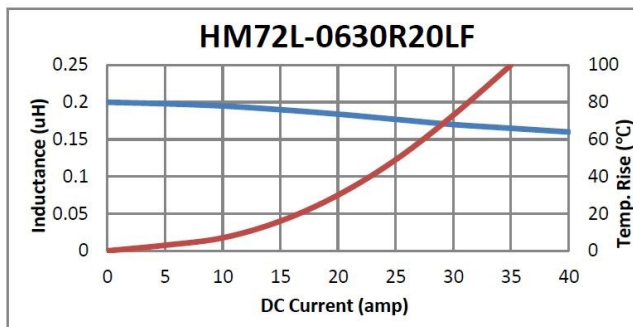
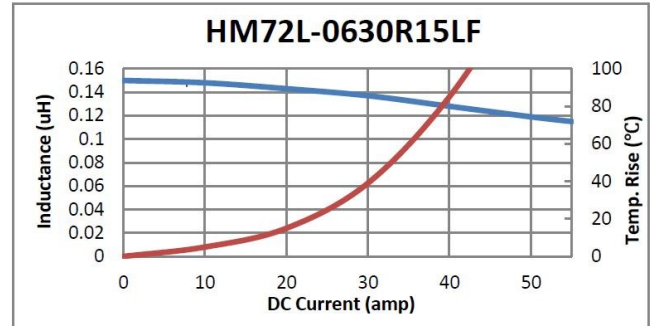
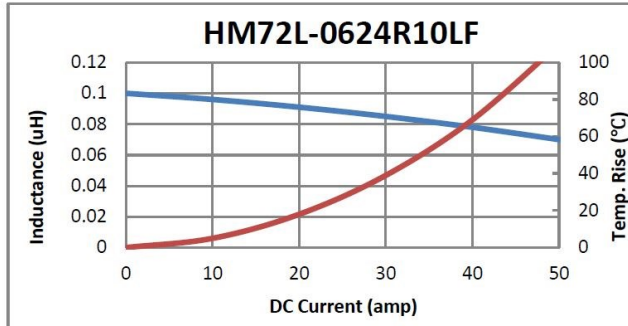
General Note

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.

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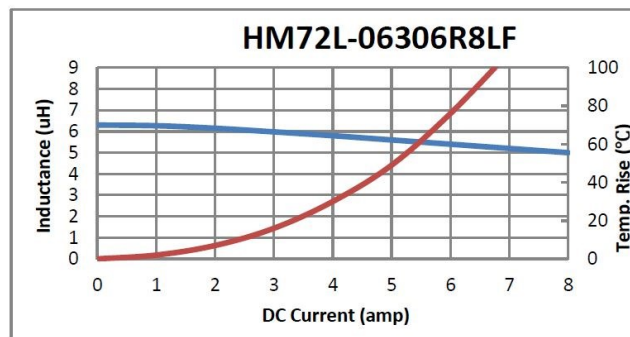
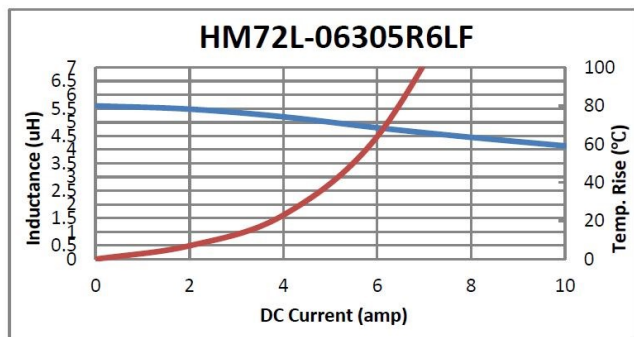
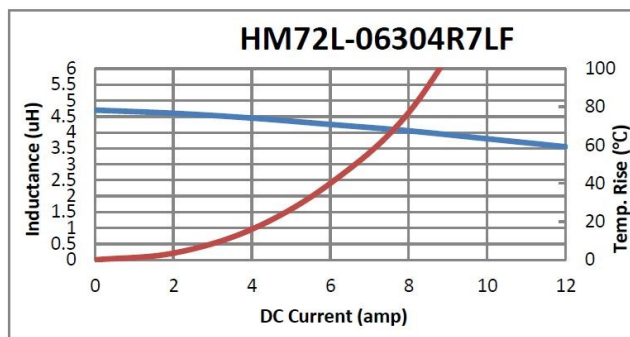
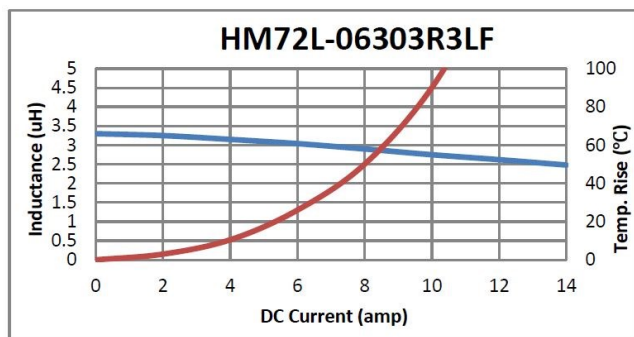
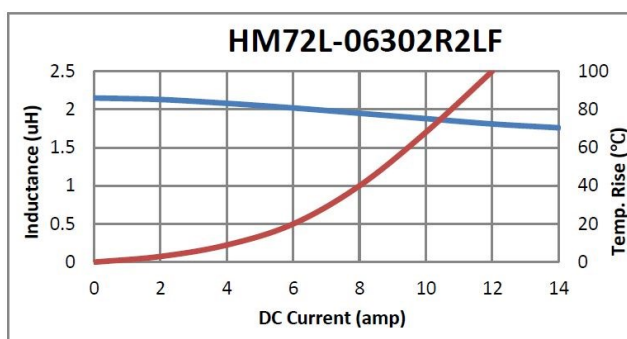
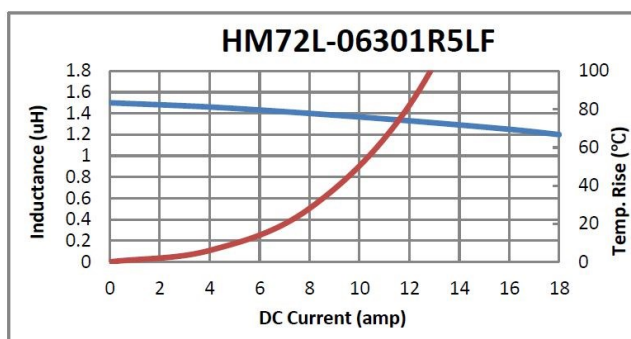
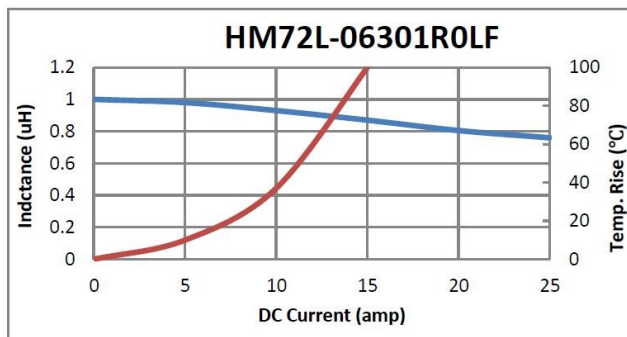
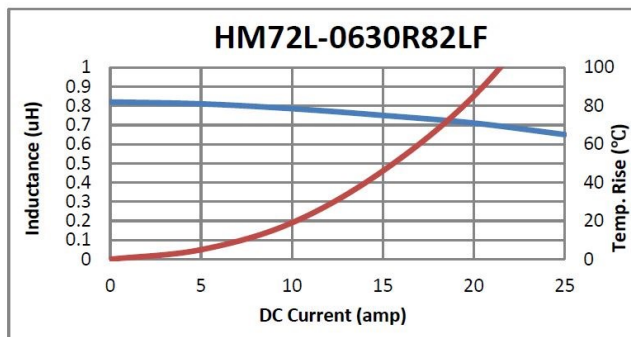
Electrical Specifications @ 25



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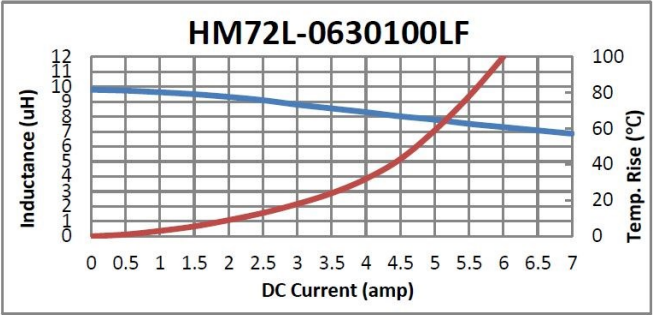
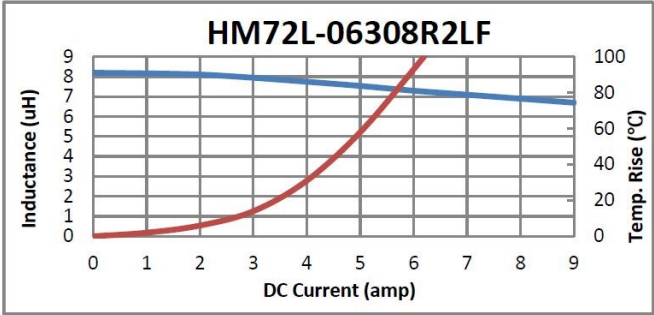
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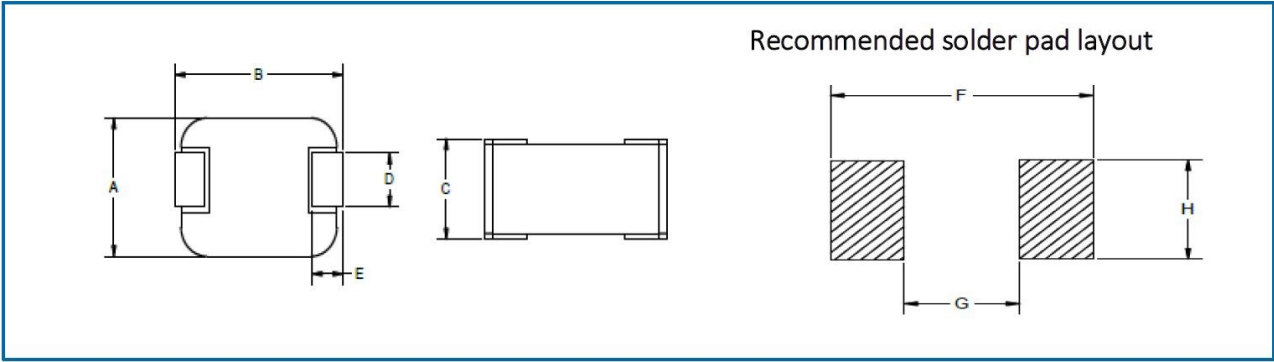
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Outline dimensions (mm)

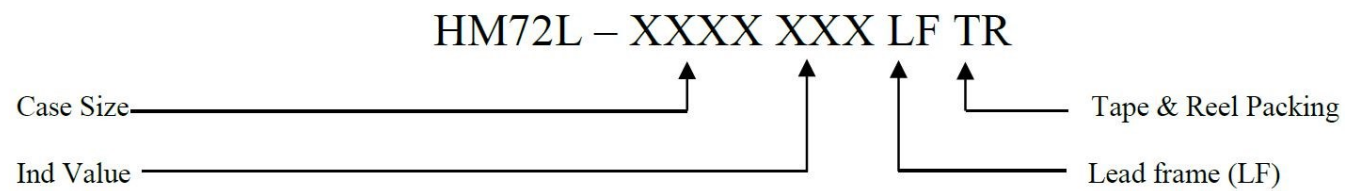


CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
0630 series	6.6 ± 0.3	7.1 ± 0.3	3	3.0 ± 0.3	1.6 ± 0.5	7.4	3.7	3.5

Packaging

Standard:	Embossed Tape and Reel			
		Diameter:	All case size	= 13" (330mm))
	Reel:		Case size 0630	= 1,000 units

Ordering information



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TT Electronics:

<u>HM72L-06305R6LFTR</u>	<u>HM72L-0630100LFTR</u>	<u>HM72L-0630R82LFTR</u>	<u>HM72L-0630R47LFTR</u>	<u>HM72L-06301R0LFTR</u>
<u>HM72L-06302R2LFTR</u>	<u>HM72L-0630R20LFTR</u>	<u>HM72L-06301R5LFTR</u>	<u>HM72L-06304R7LFTR</u>	<u>HM72L-06303R3LFTR</u>
<u>HM72L-06306R8LFTR</u>	<u>HM72L-0630R33LFTR</u>	<u>HM72L-0630R68LFTR</u>	<u>HM72L-0630R56LFTR</u>	<u>HM72L-0630R22LFTR</u>
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