

Power Inductors


Model HM72L-0630 series



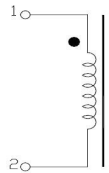
Features:

- 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

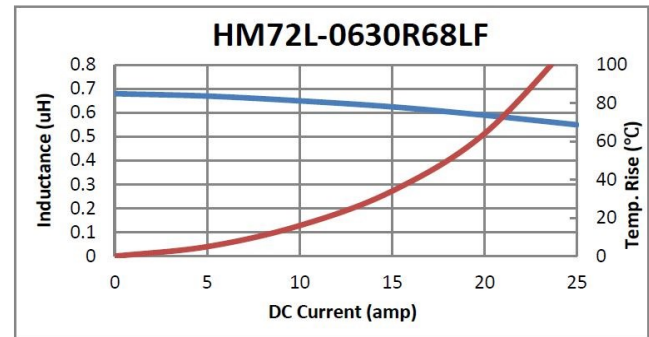
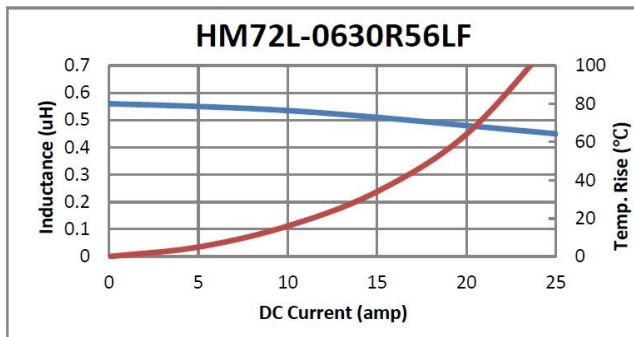
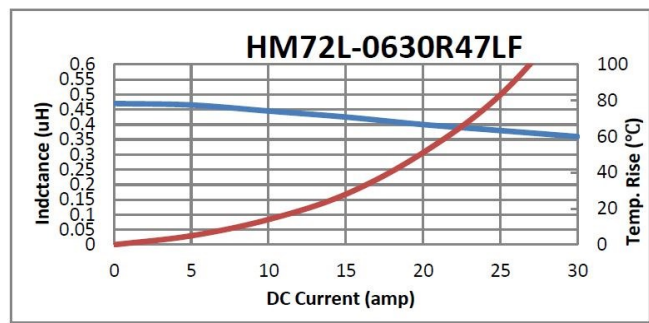
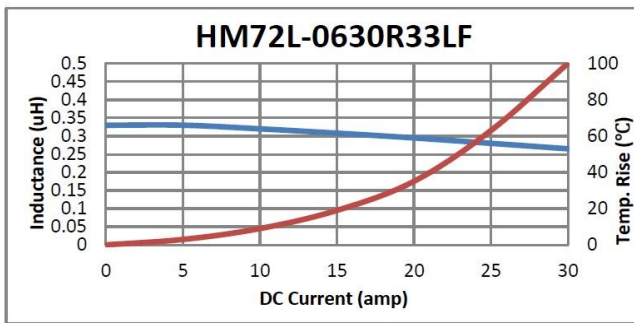
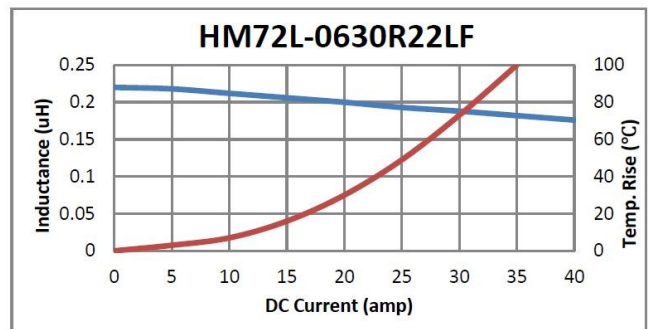
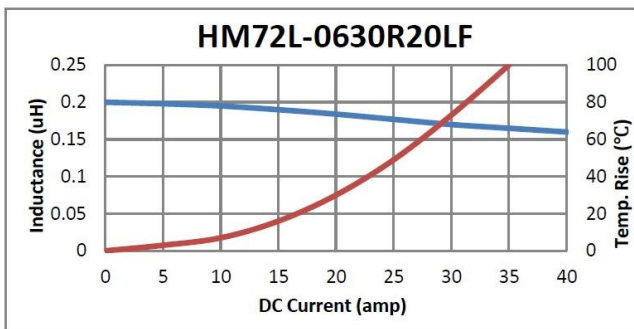
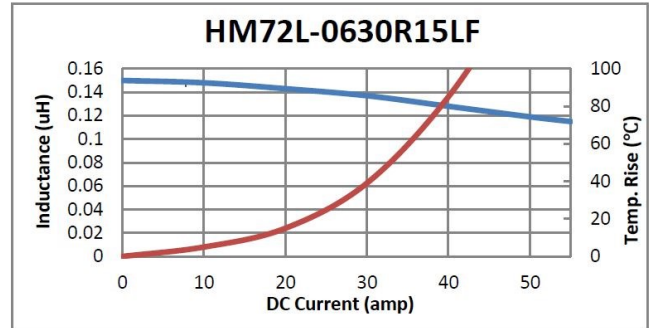
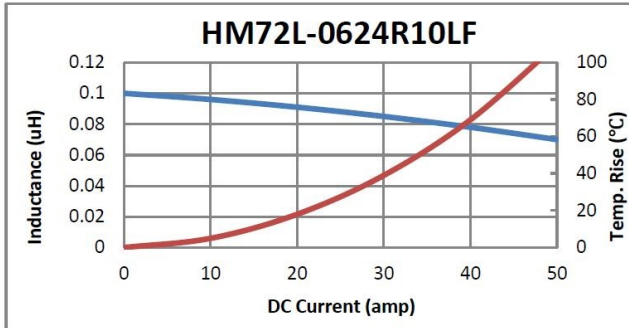
Part Number	Inductance ($\mu\text{H} \pm 20\%$ @0A)	DCR (m Ω) Typ	DCR (m Ω) Max	I _{rms} (A)	Isat (A)	Part Number	Inductance ($\mu\text{H} \pm 20\%$ @0A)	DCR (m Ω) Typ.	DCR (m Ω) Max	I _{rms} (A)	Isat (A)
HM72L-0630R10LFTR	0.10	1.5	1.7	32.5	60.0	HM72L-06301R0LFTR	1.00	9.0	10.0	11.0	22.0
HM72L-0630R15LFTR	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

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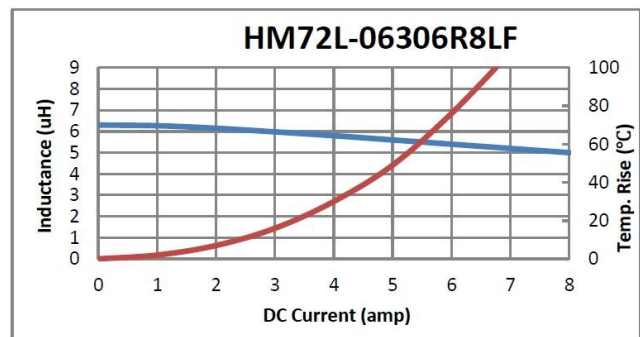
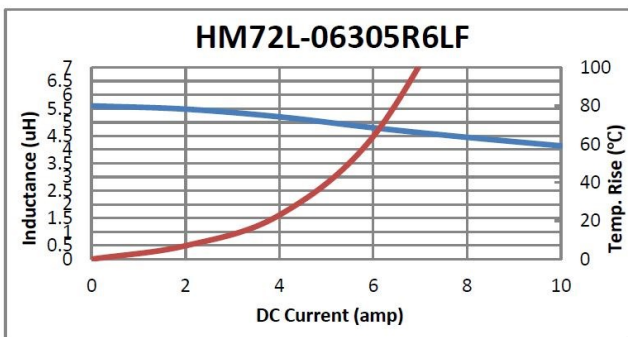
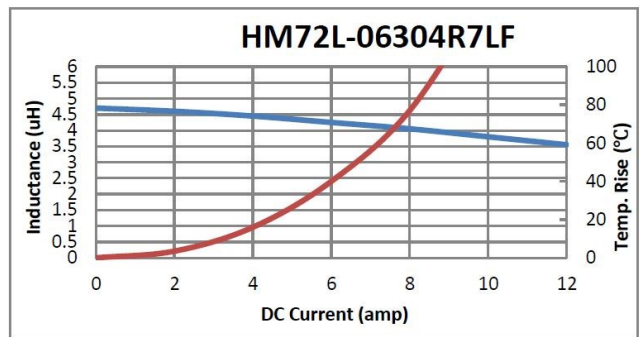
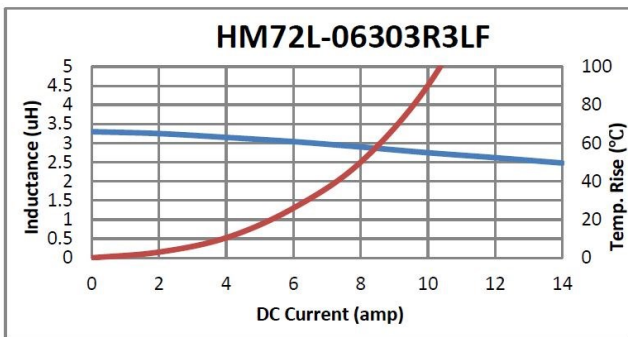
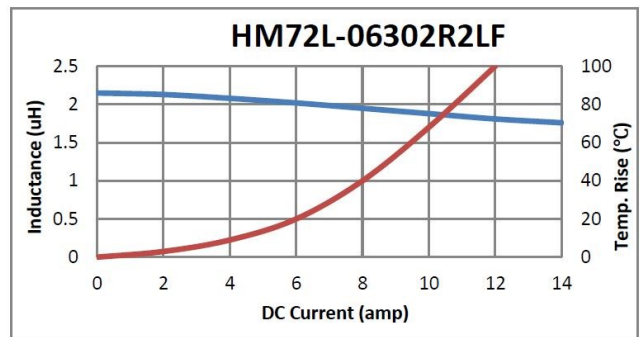
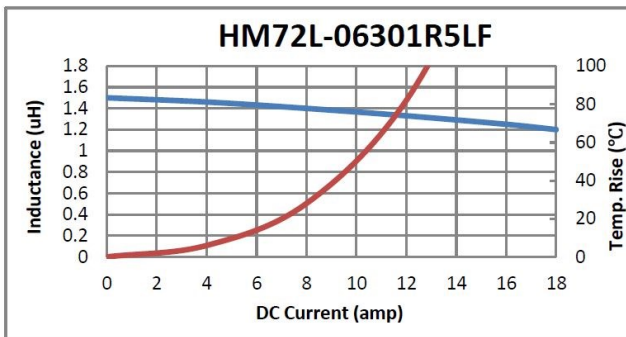
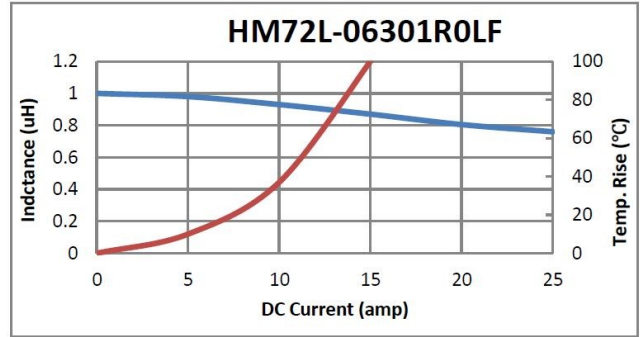
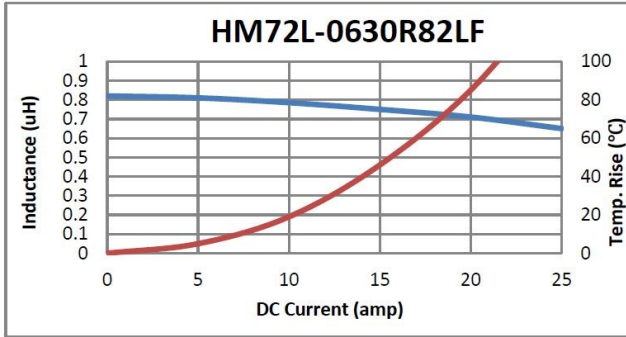
Electrical Specifications @ 25



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TT Electronics | BI Technologies
 A-1445, Jalan Tanjung Api
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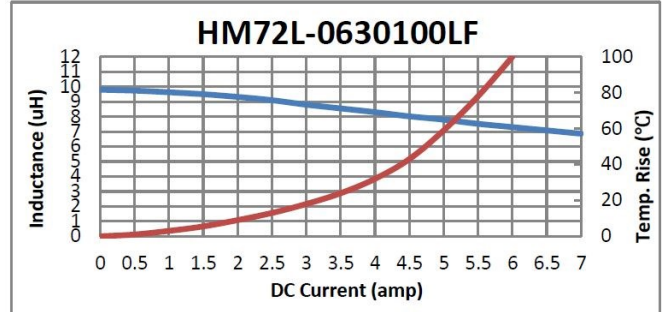
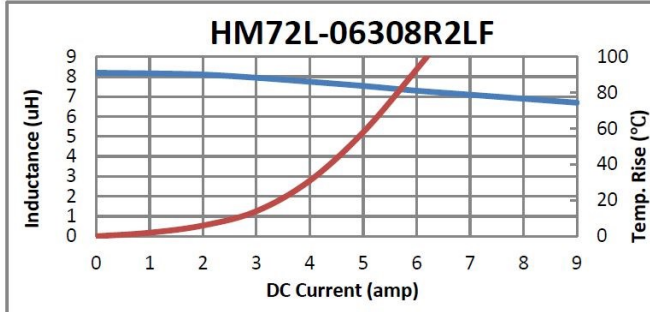
Electrical Specifications @ 25



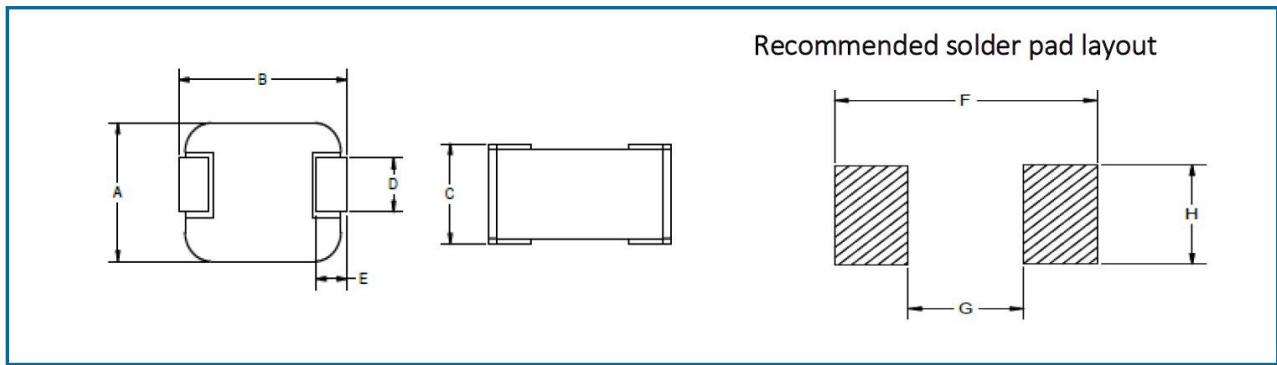
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Electrical Specifications @ 25



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

General Note

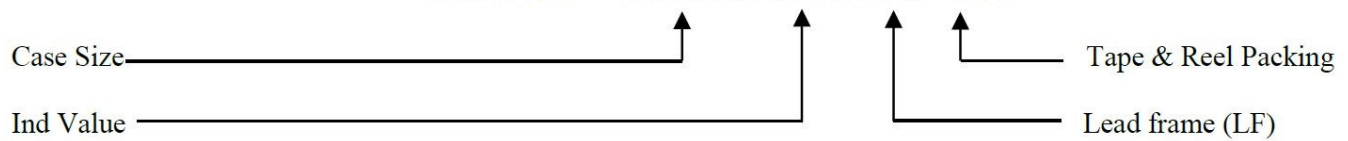
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Packaging

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

Ordering information

HM72L – XXXX XXX LF TR



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