Power Inductors

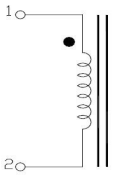
Model HM72L-0630 series

Features:

- Operating Temperature Range –55°C to +125°C
- Ambient Temperature, Maximum +85°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 (µH ±20% @0A	DCR (mΩ) Typ	DCR (mΩ) Max	Irms (A)	Isat (A)	Part Number	Inductance (µH ±20% @0A	DCR (mΩ) Typ.	DCR (mΩ) Max	Irms (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) Irms is the approximate current at which $\Delta T = 40°C$
(3) Operating Temperature Range –55°C to +125°C

General Note
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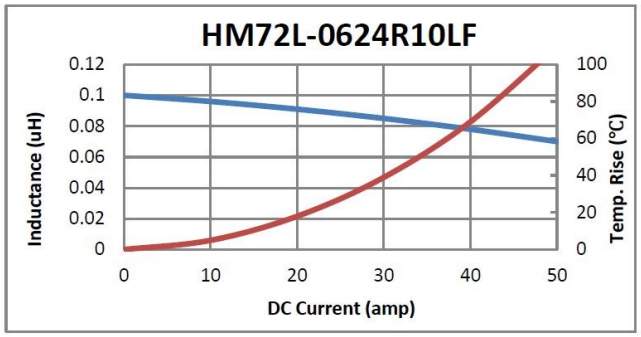
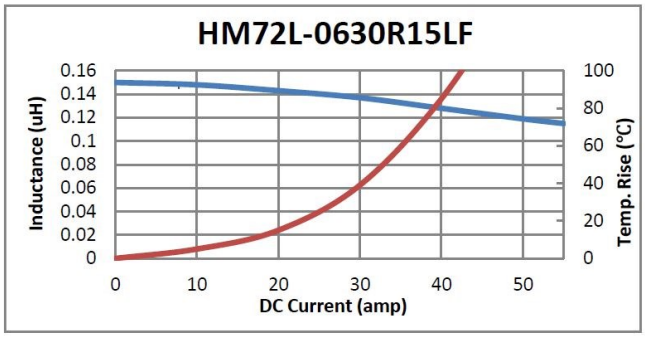
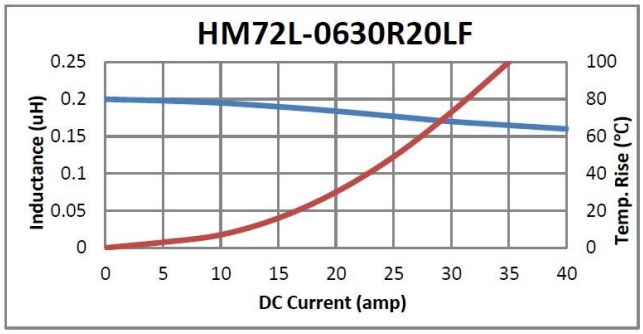
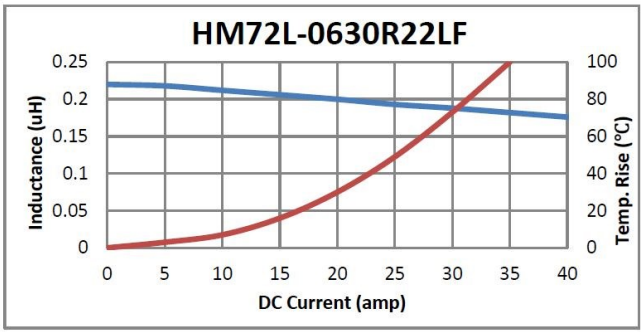
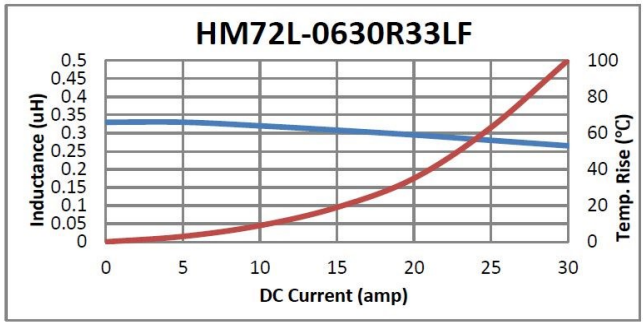
Electrical Specifications @ 25

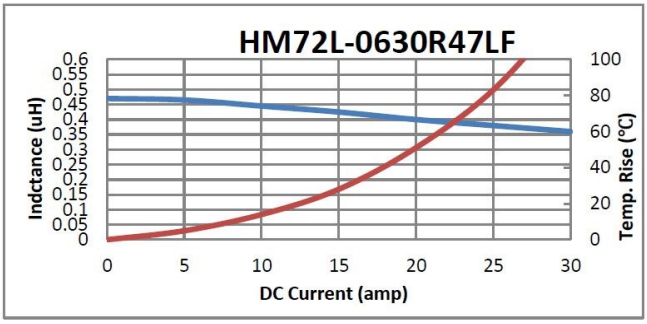


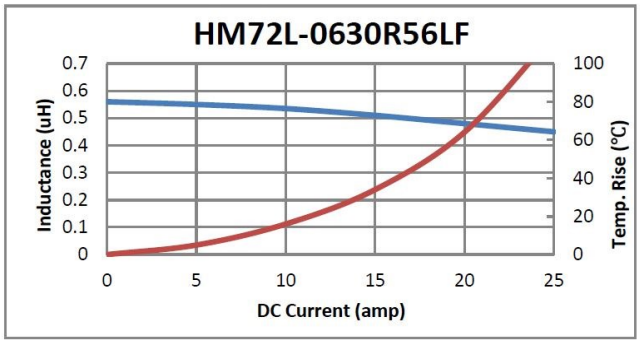


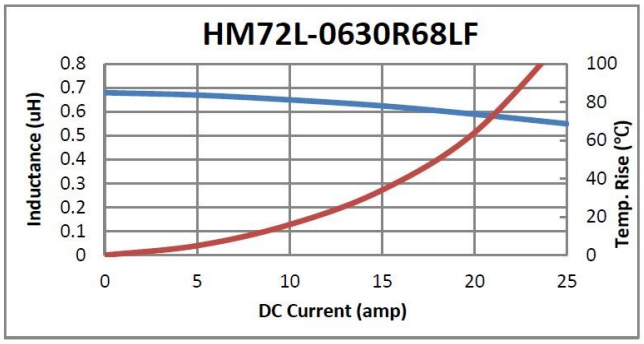












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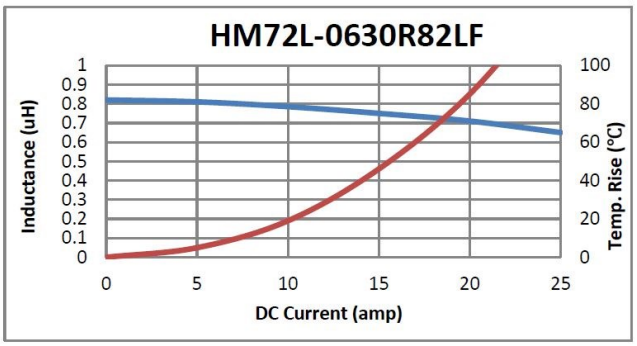

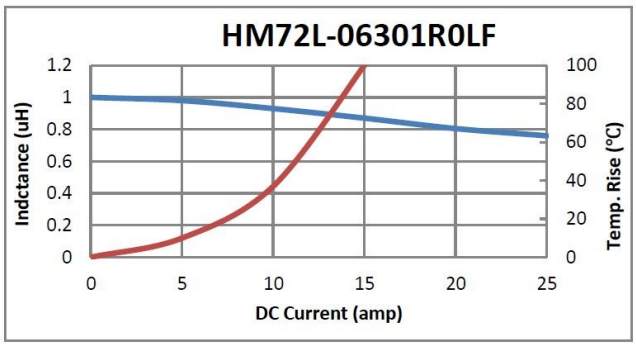

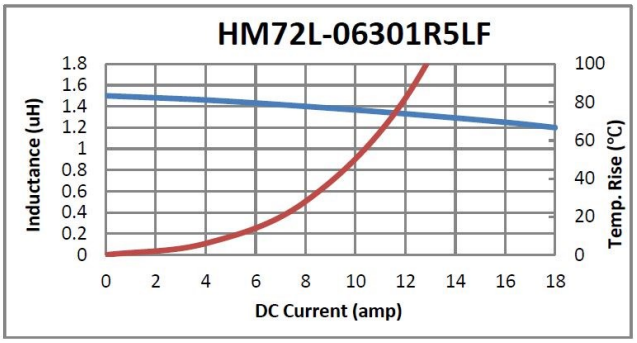

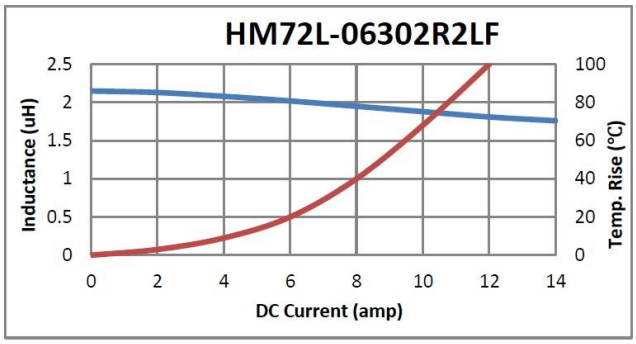

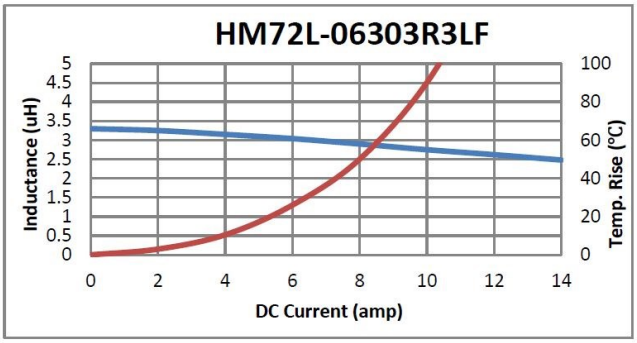

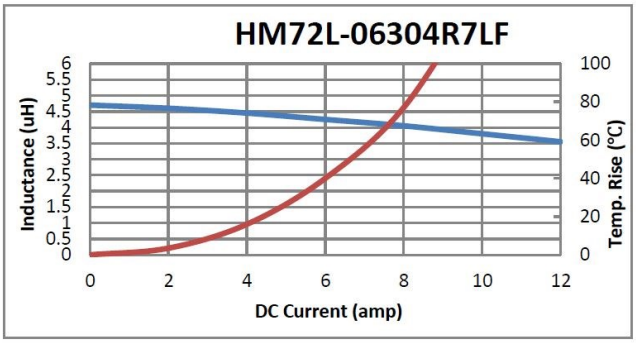

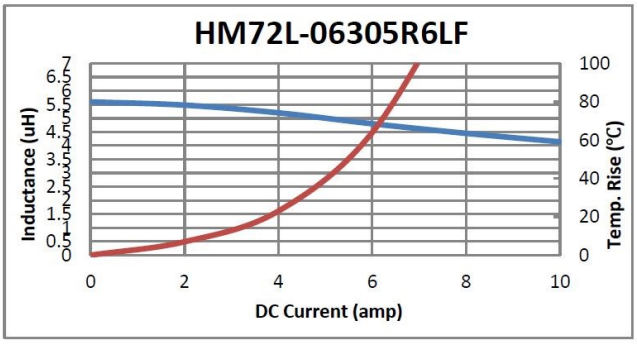

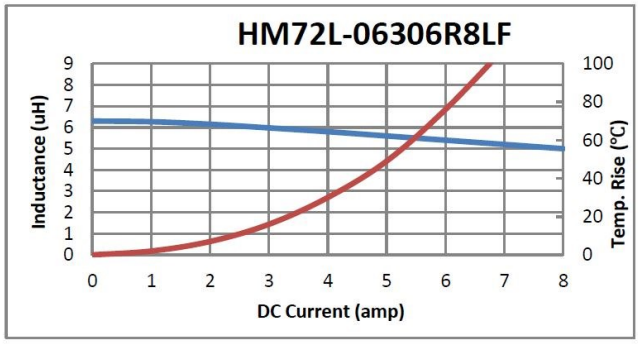

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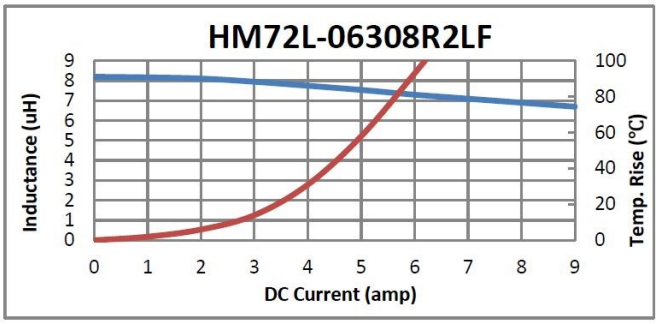
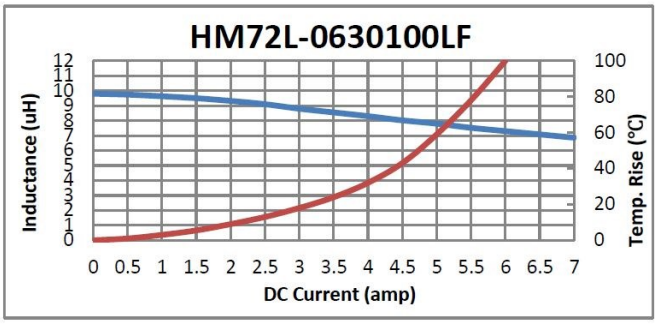
Power Inductors

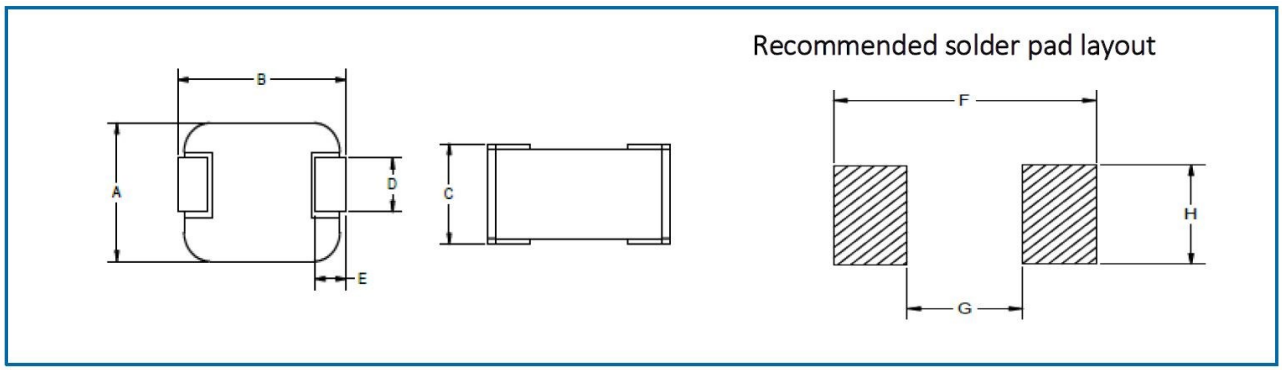
Model HM72L-0630 series

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

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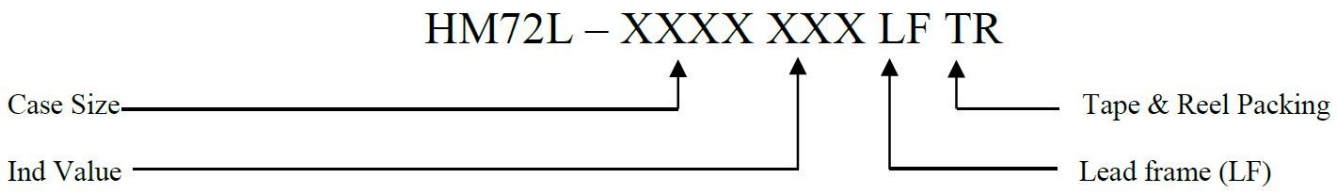
Packaging

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

Ordering information



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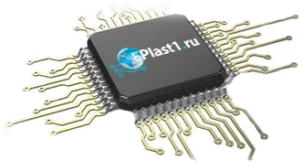
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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