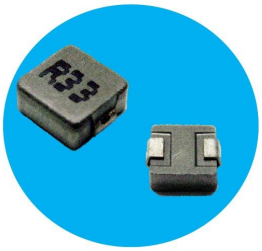
Power Inductors

Model HM72L-0420 series

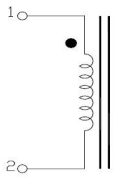
Features:

- 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-0420R10LFTR	0.10	3.5	4.0	12.0	22.0	HM72L-04201R2LFTR	1.20	24.0	27.0	4.5	7.0
HM72L-0420R15LFTR	0.15	6.0	6.6	9.0	13.0	HM72L-04201R5LFTR	1.50	38.0	46.0	4.0	6.0
HM72L-0420R22LFTR	0.22	6.0	6.6	9.0	12.5	HM72L-04202R2LFTR	2.20	52.0	58.0	3.0	5.0
HM72L-0420R33LFTR	0.33	9.6	13.0	8.0	12.0	HM72L-04203R3LFTR	3.30	74.0	87.0	2.5	4.0
HM72L-0420R47LFTR	0.47	12.5	14.0	7.0	9.5	HM72L-04204R7LFTR	4.70	98.0	110.0	2.0	3.5
HM72L-0420R56LFTR	0.56	14.0	16.0	6.5	10.0	HM72L-04205R6LFTR	5.60	105.0	115.0	1.8	3.0
HM72L-0420R60LFTR	0.60	14.0	16.0	6.5	10.0	HM72L-04206R8LFTR	6.80	160.0	175.0	1.5	2.5
HM72L-0420R68LFTR	0.68	16.0	18.0	6.0	9.0	HM72L-0420100LFTR	10.0	256.0	282.0	1.2	2.2
HM72L-04201R0LFTR	1.00	24.0	27.0	4.5	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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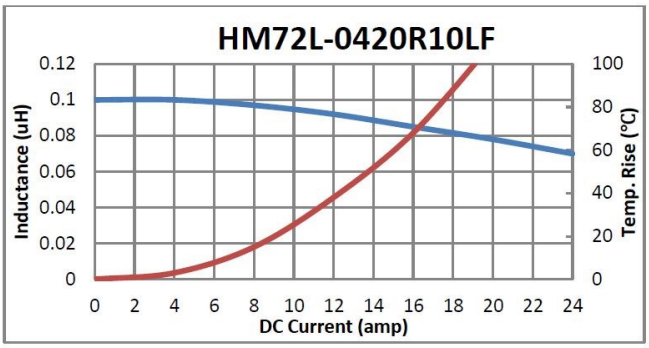
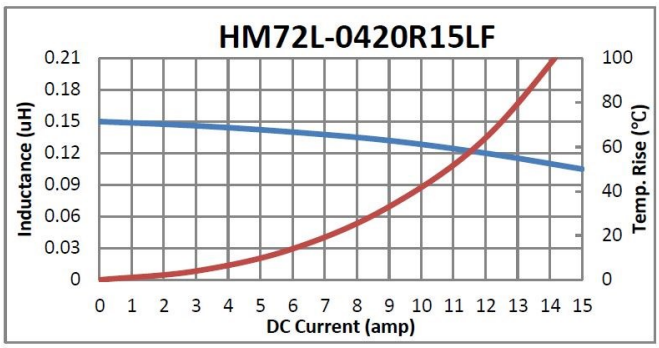
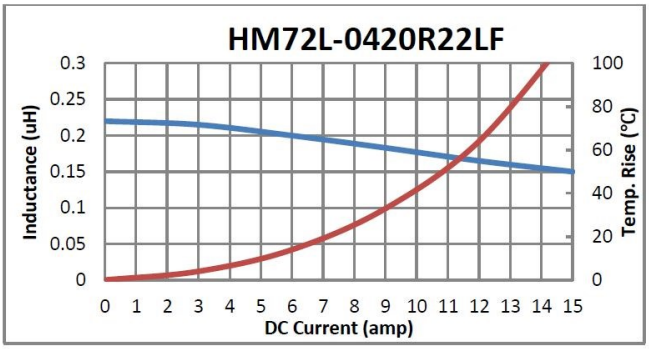
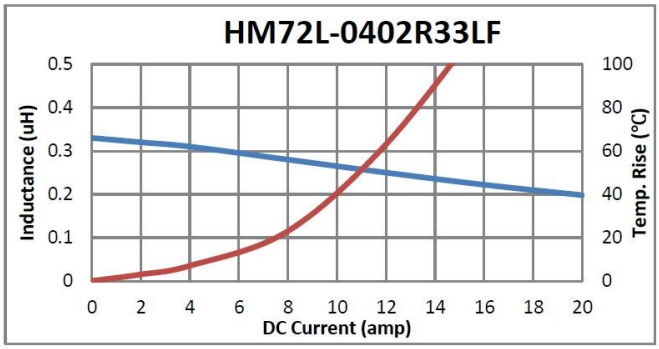
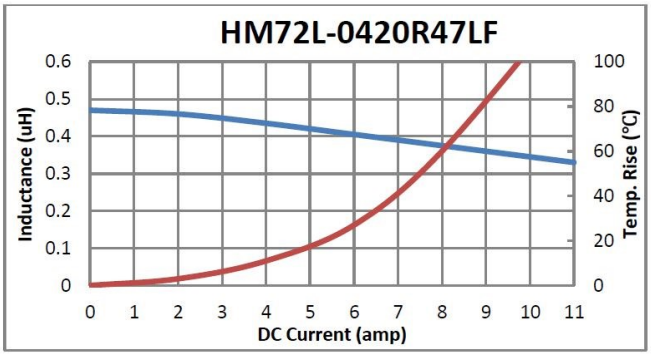
Electrical Specifications @ 25

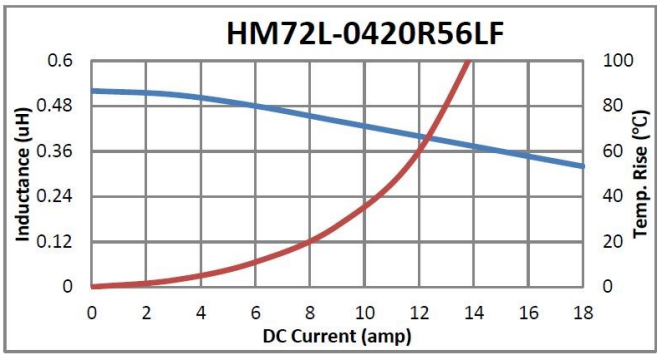


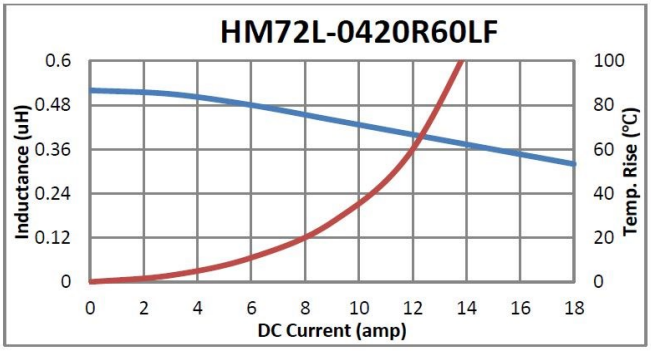


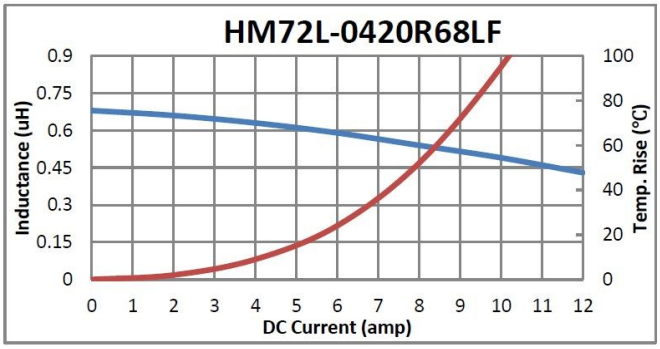












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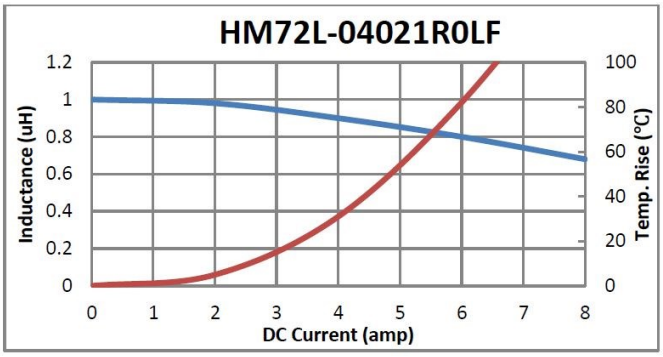
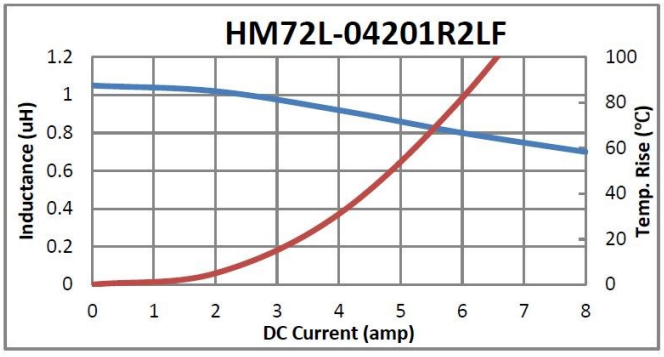
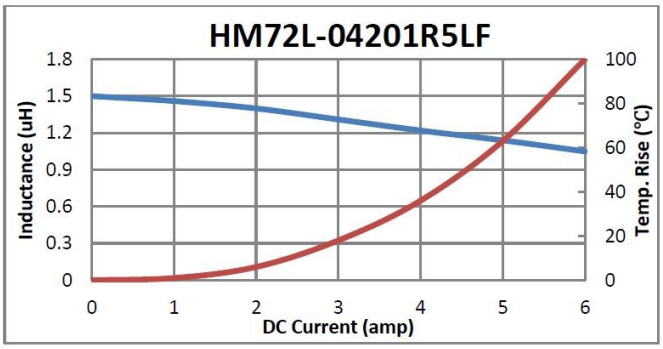
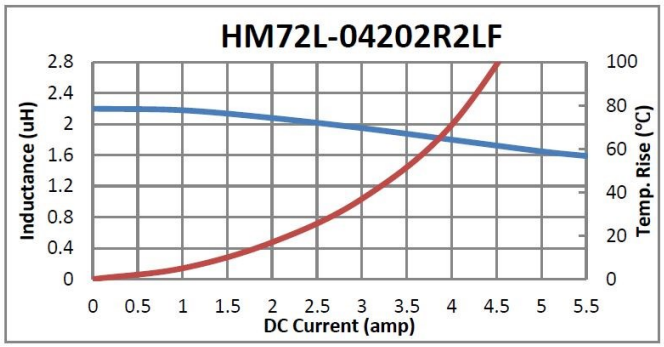
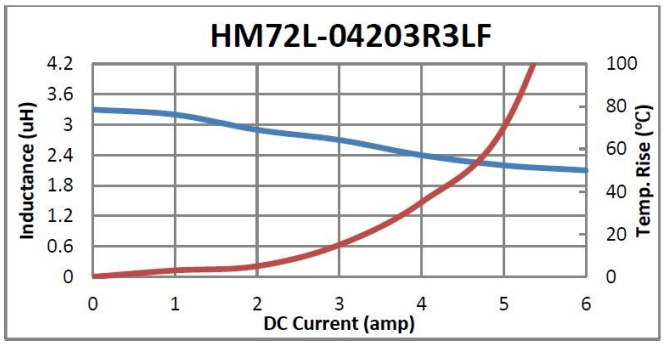
Electrical Specifications @ 25°C

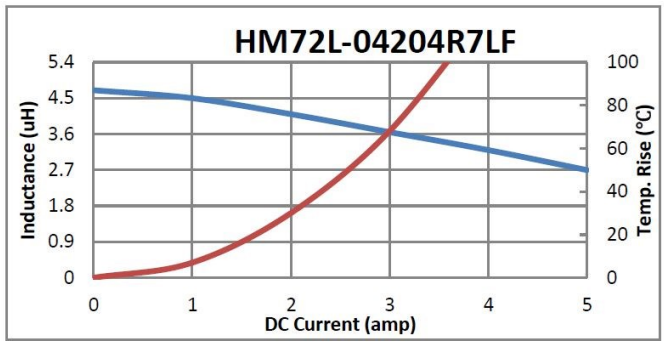


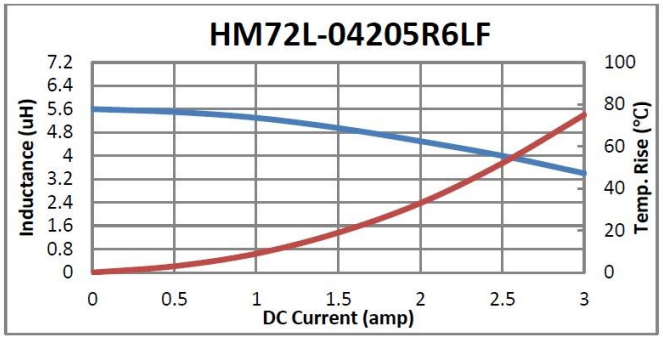


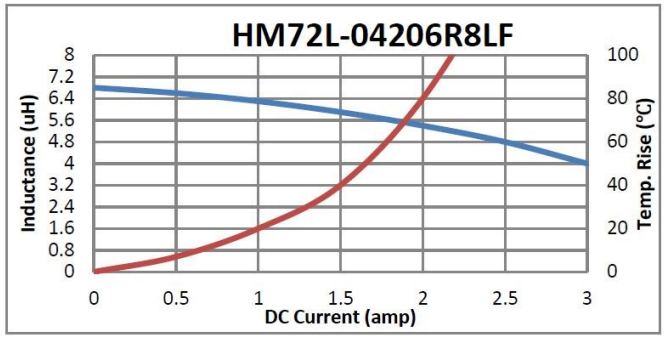












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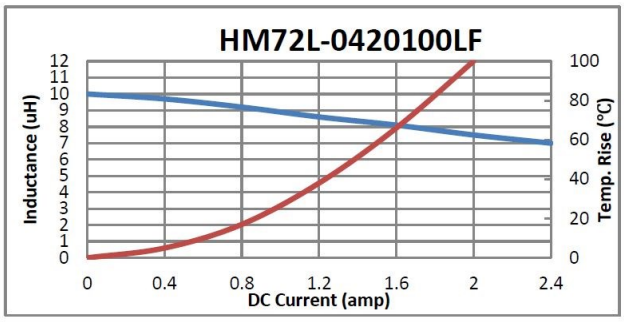
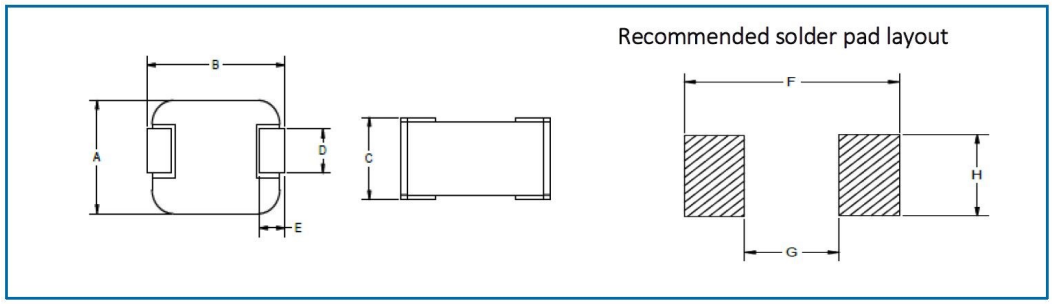


Outline dimensions (mm)



CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
0420 series	4.05 ± 0.25	4.45 ± 0.25	2	1.5 ± 0.3	0.8 ± 0.3	4.95	2.15	2.3

Packaging

Standard:	Embossed Tape and Reel			
	Reel:	Diameter: All case size	=	13" (330mm))
		Case size 0420	=	2,000 units

Ordering information

HM72L – XXXX XXX LF TR

Case Size

Ind Value

Tape & Reel Packing

Lead frame (LF)

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- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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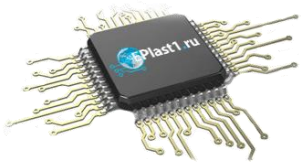
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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