Power Inductors

Model HM72L-1040 series

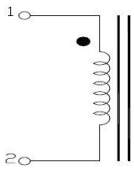
Features:

- 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-1040R19LFTR	0.19	0.50	0.70	44.0	44.0	HM72L-1040R78LFTR	0.78	1.60	1.80	25.0	25.0
HM72L-1040R22LFTR	0.22	0.60	0.80	38.0	42.0	HM72L-1040R82LFTR	0.82	2.20	2.50	21.0	21.0
HM72L-1040R24LFTR	0.24	0.70	0.80	38.0	38.0	HM72L-10401R0LFTR	1.00	2.20	2.50	21.0	21.0
HM72L-1040R36LFTR	0.36	0.85	0.95	35.0	35.0	HM72L-10401R8LFTR	1.80	4.5	5.0	15.0	15.0
M72L-1040R41LFTR	0.41	1.04	1.15	33.0	32.0	HM72L-10402R0LFTR	2.00	5.2	5.8	14.0	14.0
HM72L-1040R47LFTR	0.47	1.20	1.40	32.0	32.0	HM72L-10402R2LFTR	2.2	5.50	6.30	14.0	16.0
HM72L-1040R56LFTR	0.56	1.30	1.50	30.0	30.0	HM72L-10402R5LFTR	2.5	8.20	9.00	12.0	12.0
HM72L-1040R68LFTR	0.68	1.60	1.80	25.0	30.0	HM72L-10403R3LFTR	3.30	8.2	9.0	12.0	11.0

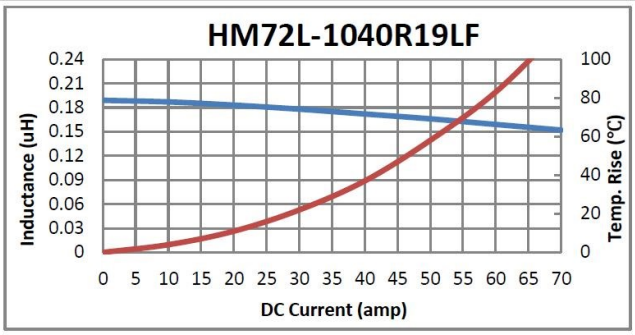
Notes: (1) Isat is the saturation current at which inductance rolls off approximately 30% from its initial (zero DC)
(2) Irms is the approximate current at which $\Delta T = 40°C$
(3) Operating Temperature Range –55°C to +125°C

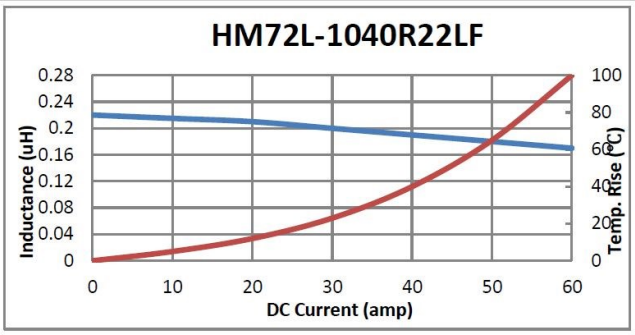
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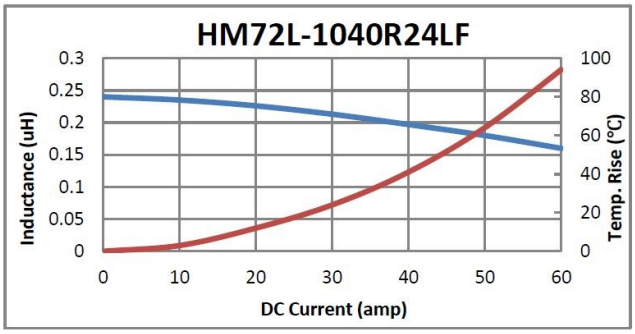
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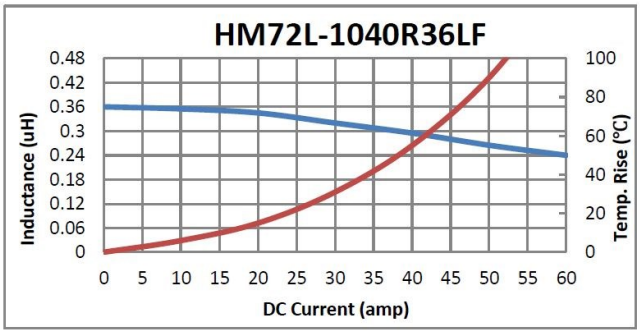
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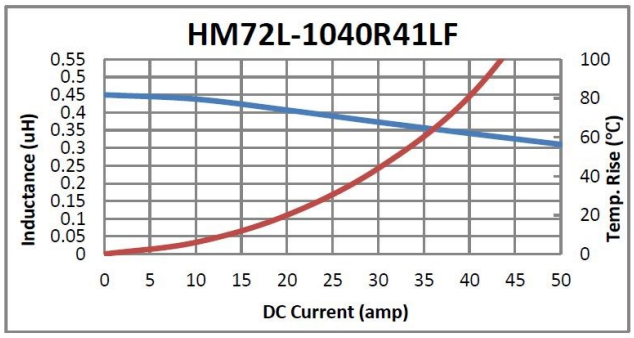
Electrical Specifications @ 25

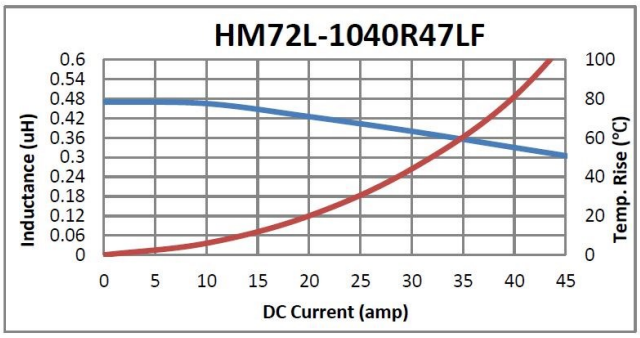


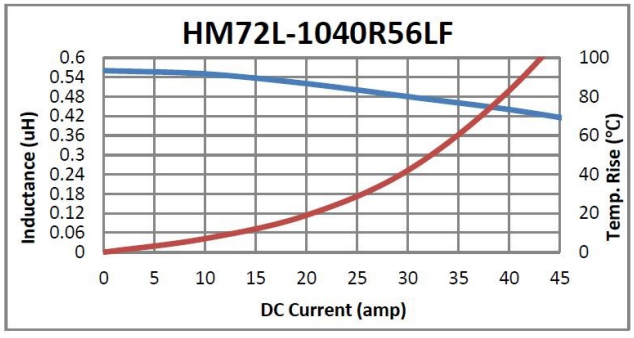


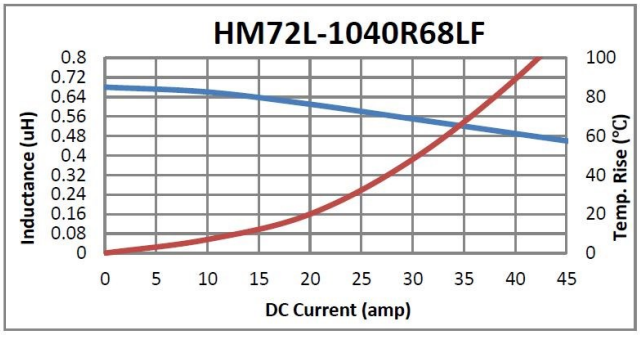










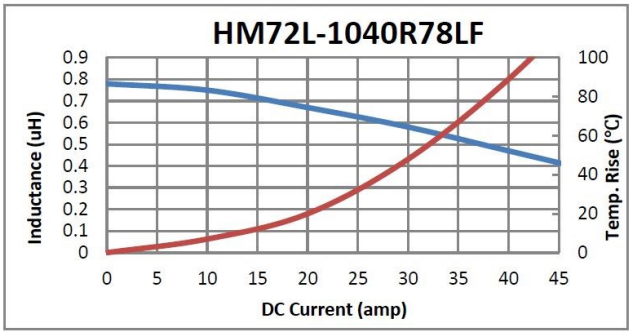


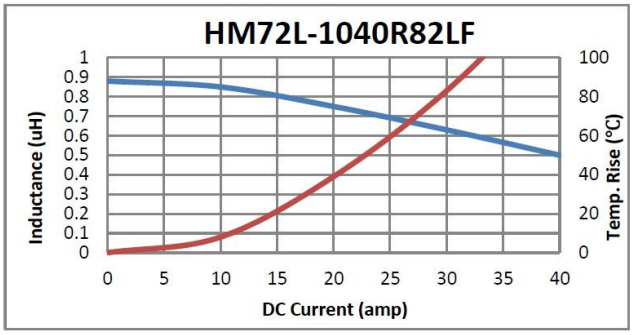
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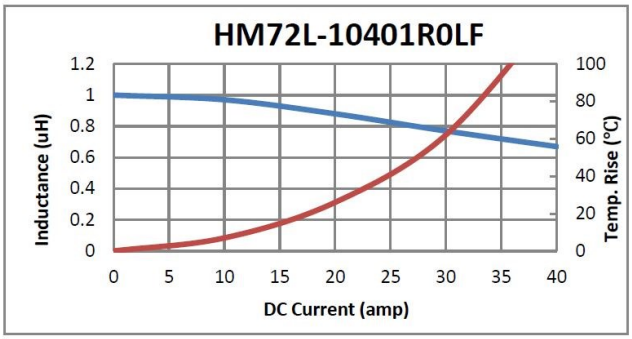
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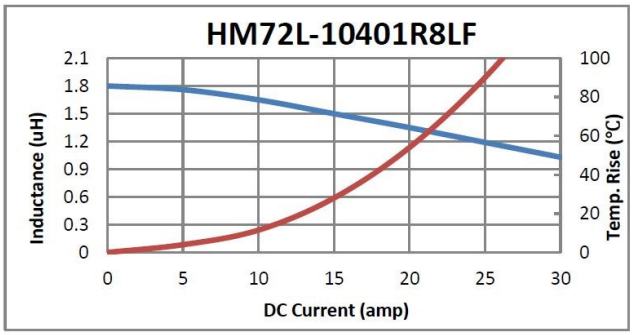
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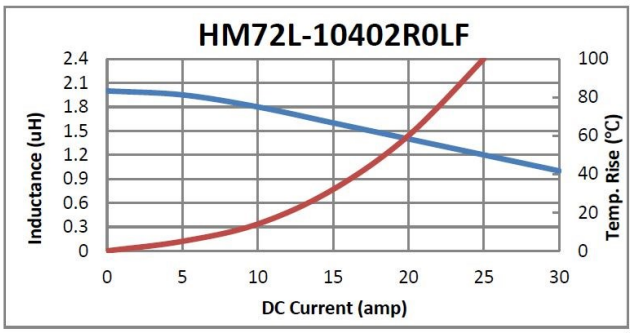
Electrical Characteristics @ 25°C

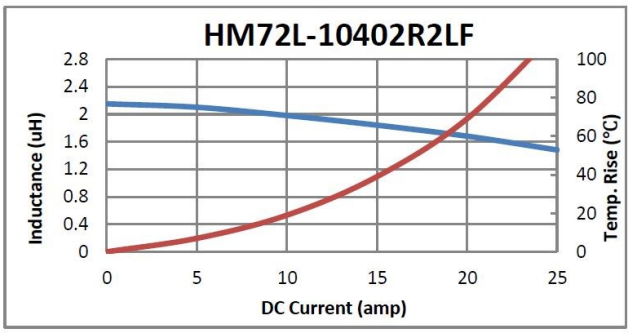


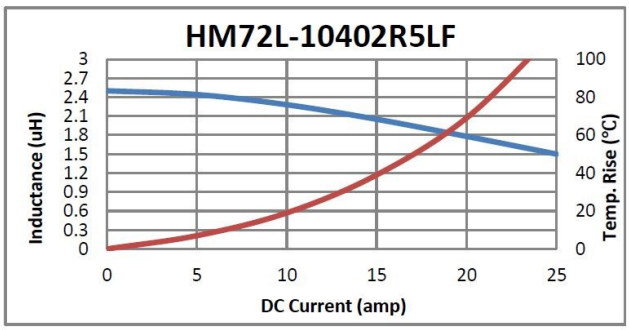


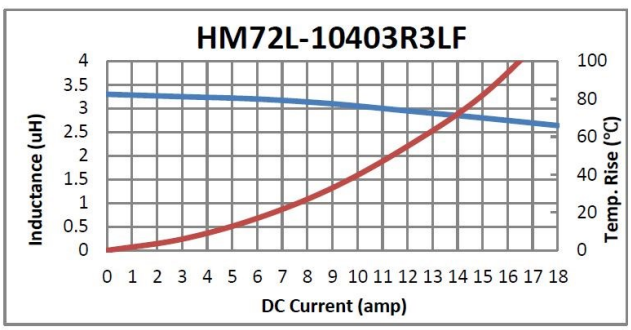










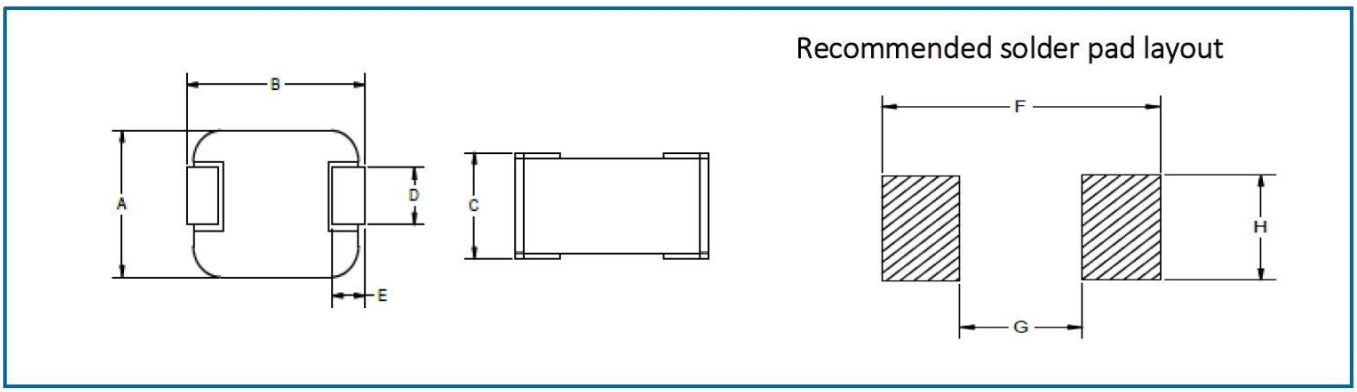


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Outline dimensions (mm)



CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
1040 series	10.0 ± 0.3	11.5	4	2.8 ± 0.5	2.0 ± 0.5	13	6	4

Packaging

Standard:	Embossed Tape and Reel			
	Diameter:	All case size	=	13" (330mm))
	Reel:	Case size 1040	=	800 units

Ordering information

HM72L – XXXX XXX LF TR

Case Size

Ind Value

Tape & Reel Packing

Lead frame (LF)

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