Power Inductors

Model HM72L-0412 series

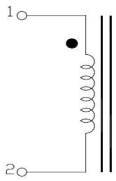
Features:

- 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-0412R33LFTR	0.33	17.0	19.0	6.5	8.4	HM72L-04121R0LFTR	1.00	43.0	47.0	4.5	5.5
HM72L-0412R47LFTR	0.47	19.0	22.0	6.0	6.8	HM72L-04121R5LFTR	1.50	68.0	75.0	3.25	4.0
HM72L-0412R68LFTR	0.68	32.0	36.0	4.7	6.0	HM72L-04122R2LFTR	2.20	79.4	83.5	2.75	3.5

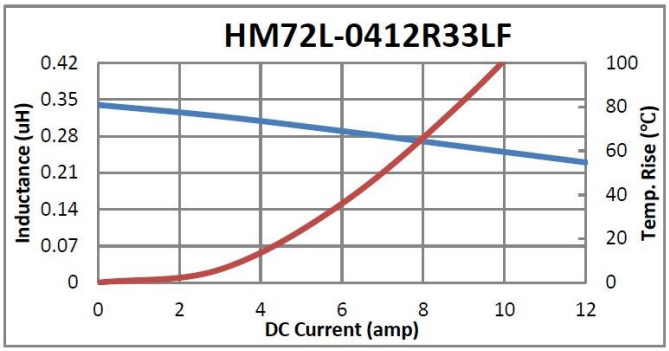
Notes: (1) Isat is the saturation current at which inductance rolls off approximately 30% from its initial (zero DC)
(2) Irms is the approximate current at which $\Delta T = 40°C$
(3) Operating Temperature Range –55°C to +125°C

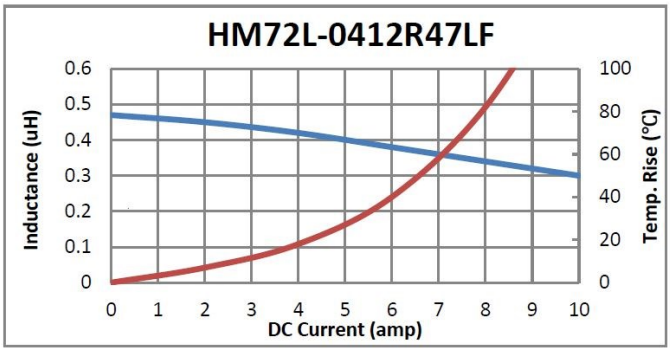
General Note
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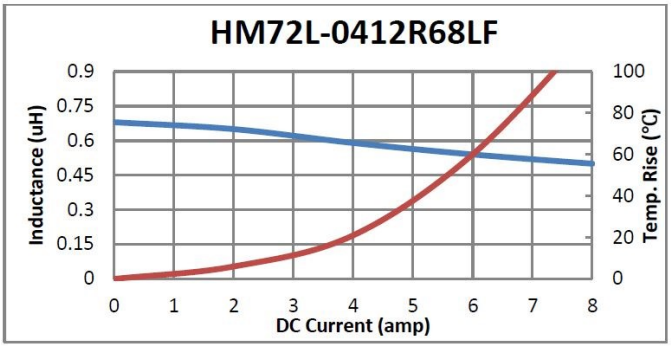
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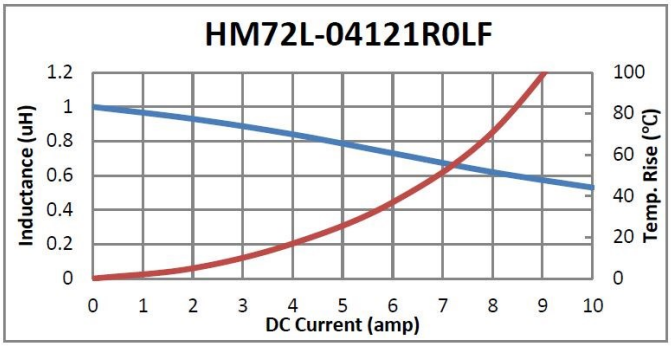
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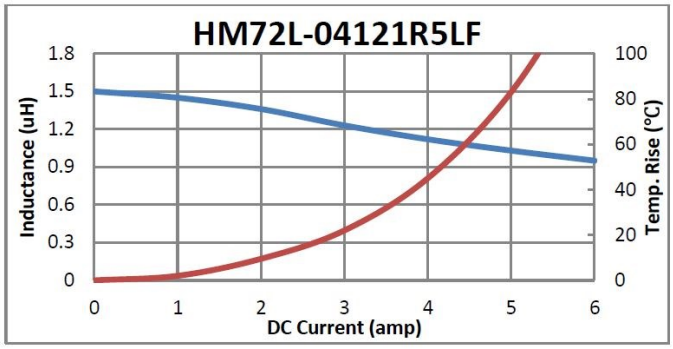
Electrical Specifications @ 25

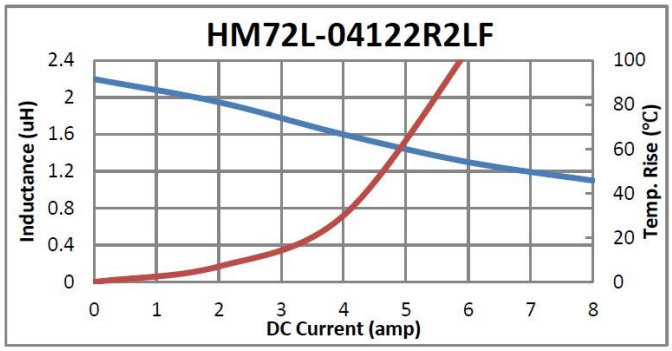










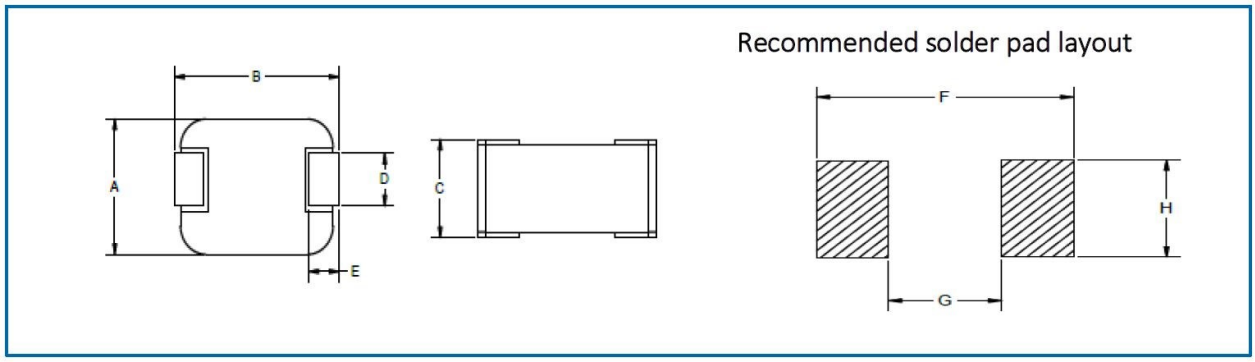


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Outline dimensions (mm)



CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
0412 series	4.2 ± 0.25	4.4 ± 0.35	1.2	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))
		Capacity:	Case size 0412	=	3,000 units

Ordering information

HM72L – XXXX XXX LF TR

Case Size

Ind Value

Tape & Reel Packing

Lead frame (LF)

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