

Specifications @ 25°C (Cont'd)

Part Number	Inductance, Lo @ 100 kHz, 0Adc (μH)			Heating Current ⁽¹⁾ (Adc)	I_{sat} ⁽²⁾ (Adc)	DC Resistance ($\text{m}\Omega$)		Height C (mm)	Figure
	Min.	Typ.	Max.			Typ.	Max.		
HM72A-122R2LF	1.76	2.20	2.64	17.0	32	5.00	5.50	5.0	2
HM72A-123R3LF	2.64	3.30	3.96	15.0	32	7.70	9.20	5.0	3
HM72A-124R7LF ⁽³⁾	3.76	4.70	5.64	10.7	27 ⁽³⁾	12.80	15.00	5.0	3
HM72A-12100LF	8.00	10.00	12.00	8.3	16	21.40	25.50	5.0	3
HM72A-12R15HLF	0.12	0.15	0.18	56.0	118	0.53	0.60	6.5	2
HM72A-12R33HLF	0.26	0.33	0.40	44.8	65	0.83	0.90	6.5	2
HM72A-12R40HLF	0.32	0.40	0.48	43.0	64	0.90	1.00	6.5	2
HM72A-12R47HLF	0.38	0.47	0.56	40.8	63	1.00	1.20	6.5	2
HM72A-12R68HLF	0.54	0.68	0.82	34.5	60	1.40	1.60	6.5	2
HM72A-121R0HLF	0.80	1.00	1.20	31.0	49	1.70	2.00	6.5	2
HM72A-121R5HLF	1.20	1.50	1.80	25.8	45	2.50	3.00	6.5	2
HM72A-122R2HLF	1.76	2.20	2.64	22.0	40	3.50	3.85	6.5	2
HM72A-123R3HLF	2.64	3.30	3.96	19.0	35	5.50	6.80	6.5	3
HM72A-124R7HLF ⁽³⁾	3.76	4.70	5.64	15.0	30 ⁽³⁾	7.20	7.92	6.5	3
HM72A-126R8HLF	5.44	6.80	8.12	11.3	16.5	13.10	14.00	6.5	3
HM72A-12100HLF ⁽³⁾	8.00	10.00	12.00	9.9	15.5 ⁽³⁾	18.00	19.20	6.5	2
HM72A-12200HLF	16.00	20.00	24.00	6.7	13.0	37.00	40.50	6.5	2

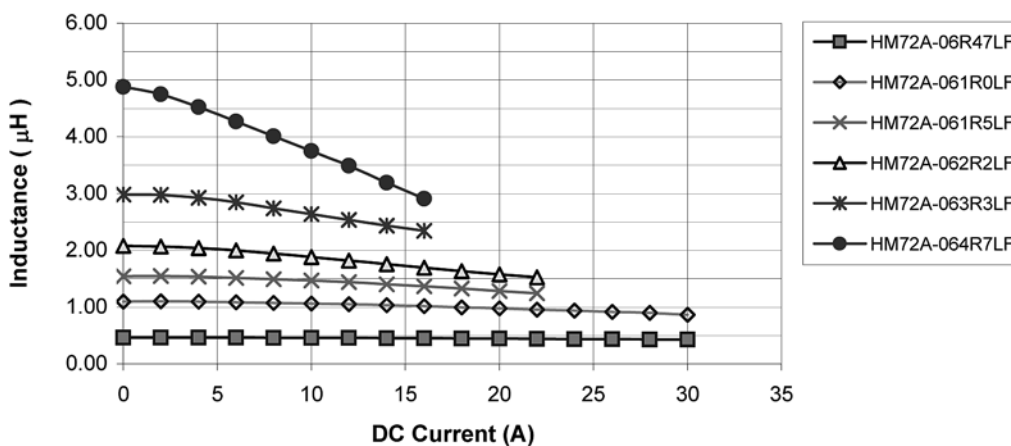
Notes : (1) The heating current is the DC current which causes the component temperature to increase by approximately 50°C. This current is determined by soldering the component on a typical application PCB, and then applying the current to the device for 30 minutes.

(2) The saturation current (I_{sat}) is the approximate current at which the inductance will be decreased by 20% typical from its initial (zero DC) value.

(3) The saturation current (I_{sat}) of HM72A-124R7LF, HM72A-124R7HLF and HM72A-12100HLF is the approximate current at which the inductance will be decreased by 30% typical from its initial (zero DC) value.

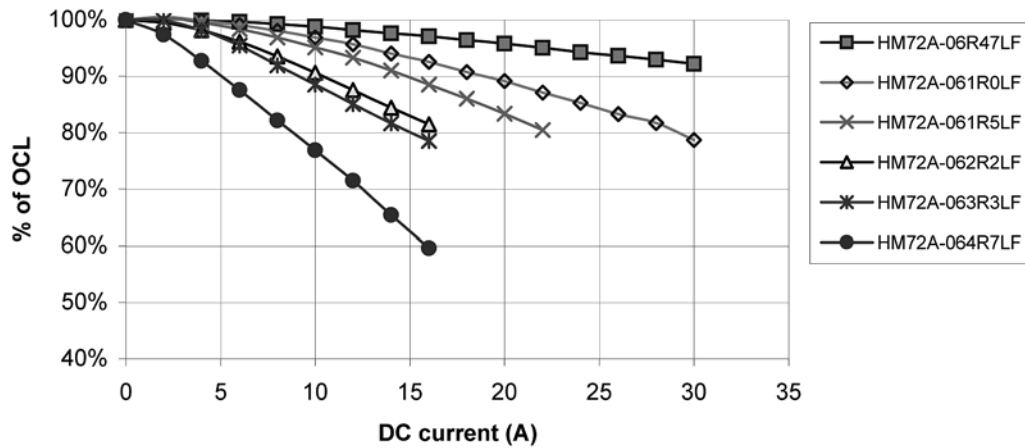
Electrical Characteristics @ 25°C

Inductance vs. Current Characteristics



Electrical Characteristics @ 25°C (Cont'd)

Inductance Rolloff vs. Current Characteristics

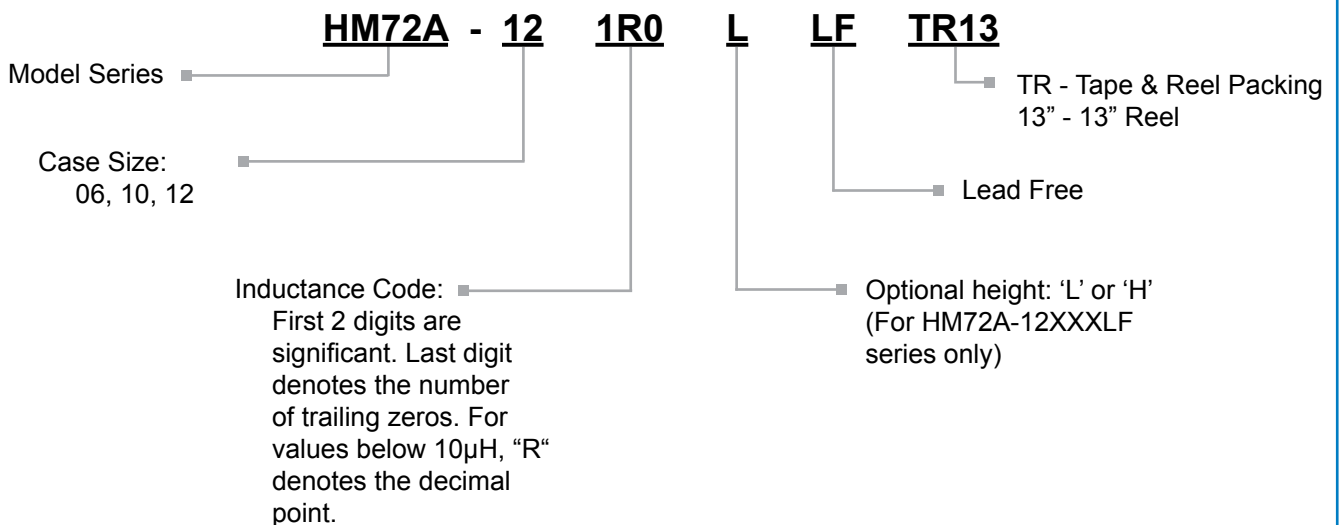


Packaging

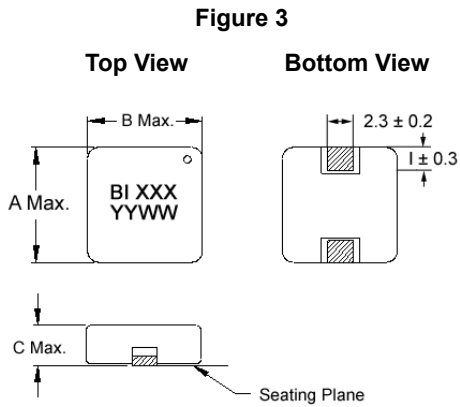
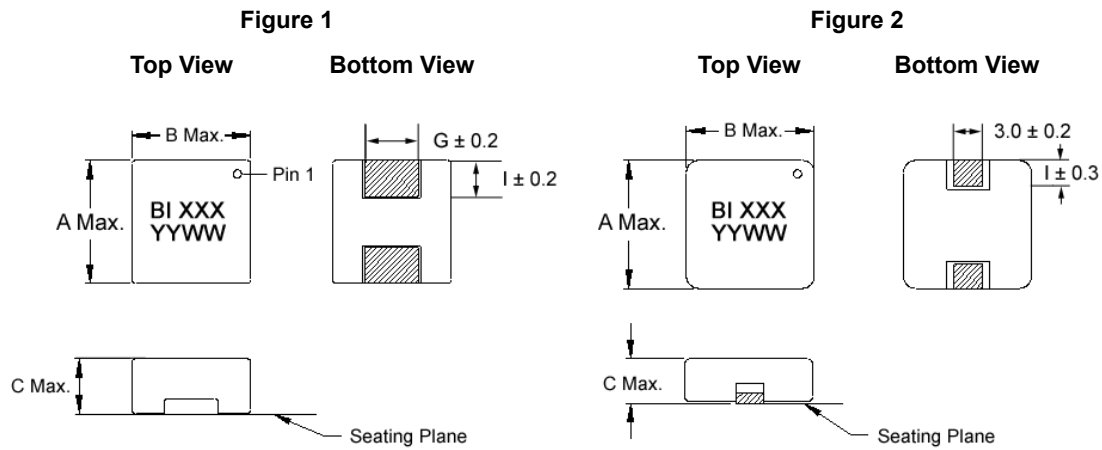
Standard: Embossed Tape and Reel

Reel: Diameter:	=	13" (330.2mm)
Capacity: 06XXX	=	1,000 Units
10XXX	=	500 Units
12XXXL	=	500 Units
12XXX/ 12XXXH	=	400 Units

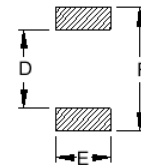
Ordering Information



Outline Dimensions (mm)



Recommended Land Pattern



Case Size	Fig.	A	B	D	E	F	G	I
06	1	7.23	6.8	2.0	3.3	7.4	3.0	2.0
10	2	11.5	10.5	4.9	3.3	11.5	-	2.5
12	2	13.5	13.0	6.9	3.3	13.5	-	2.5
	3	13.5	13.0	6.9	3.3	13.5	-	2.5

Note: Refer to Specifications table for 'C' dimension of each model.

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