

## Electrical / Environmental

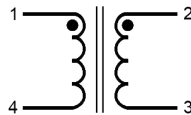
- Operating Temperature Range -40°C to +125°C
- Temperature Rise, Maximum 40°C
- Operating Frequency Up to 3MHz

# HM69C

Surface Mount Coupled Inductors



## Schematic

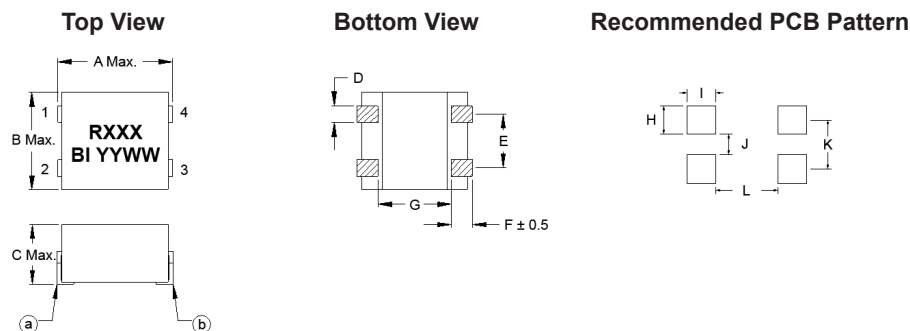


## Specifications @ 25°C

Part Number	LS <sup>(1)</sup> (nH ± 20%)	LS @ I <sub>sat-1</sub> <sup>(1)</sup> (nH Min.)	2*LK <sup>(2)</sup> (nH ± 20%)	2*LK @ I <sub>sat-2</sub> <sup>(2)</sup> (nH Min.)	DCR <sup>(3)</sup> (mΩ ± 7%)	I <sub>sat-1</sub> <sup>(4)</sup> (A dc)	I <sub>sat-2</sub> <sup>(5)</sup> (A dc)
HM69C-1350R200LF	200	160	120	96	0.24	24	50
HM69C-1565R625LF	625	500	375	300	0.27	10	25
HM69C-1570R625LF	625	500	375	300	0.27	10	25

- Notes: (1) LS is the inductance of each phase [Winding (1-4) with pins 2 & 3 open; or winding (2-3) with pins 1 & 4 open] @ 500kHz, 1V, 25°C.  
 (2) 2\*LK is two times of leakage inductance [Winding (1-2) with pins 4 & 3 shorted] @ 100kHz, 0.1V.  
 (3) DCR is measured at 25°C at points a and b.  
 (4) I<sub>sat-1</sub> is the DC current which causes LS to drop to LS @ I<sub>sat-1</sub>.  
 (5) I<sub>sat-2</sub> is the DC current which causes 2\*LK to drop to 2\*LK @ I<sub>sat-2</sub>.

## Outline Dimensions (mm)



Case Size	A Max.	B Max.	C Max.	D	E	F	G	H	I	J	K	L
1350	13.0	12.5	5.0	3.0	5.3	1.5	9.3	3.8	2.0	1.5	5.3	8.8
1565	15.0	13.5	6.5	3.0	6.0	2.5	9.5	3.5	3.6	2.5	6.6	7.7
1570	15.0	13.5	7.0	3.0	6.0	2.5	9.5	3.5	3.6	2.5	6.6	7.7

## Packaging

Standard: Embossed Tape & Reel

Reel:	Diameter:	=	13" (330.2mm)
	Capacity:	Case size 1350	= 350 Units
		Case size 1565, 1570	= 250 Units

## Ordering Information

