

#### **Electrical / Environmental**

# HM69C

**Operating Temperature Range** 

Temperature Rise, Maximum

**Operating Frequency** 

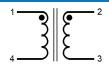
-40°C to +125°C 40°C Up to 3MHz







### **Schematic**



Specifications @ 25°C										
Part Number	LS <sup>(1)</sup> (nH ± 20%)	LS @ I <sub>sat-1</sub> (nH Min.)	2*LK <sup>(2)</sup> (nH ± 20%)	2*LK @ I <sub>sat-2</sub> (nH Min.)	DCR $^{(3)}$ (m $\Omega$ $\pm$ 7%)	I <sub>sat-1</sub> <sup>(4)</sup> (Adc)	I <sub>sat-2</sub> (5) (Adc)			
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.

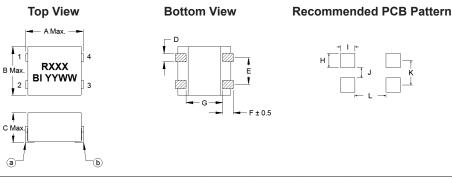
(2) 2\*LK is two times of leakage inductance [Winding (1-2) with pins 4 & 3 shorted] @100kHz, 0.1V.

(3) DCR is measured at 25°C at points a and b.

(4)  $I_{sat-1}$  is the DC current which causes LS to drop to LS @  $I_{sat-1}$  .

(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	Е	F	G	Н	I	J	K	L
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)

Case size 1ÍÎÍÉÆTÍÏ€ÆW AWWWGÍ€Units Capacity:

## **Ordering Information**

