

Electrical / Environmental

HM69C

Operating Temperature Range

Temperature Rise, Maximum

Operating Frequency

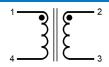
-40°C to +125°C 40°C Up to 3MHz







Schematic



Specifications @ 25°C										
Part Number	LS ⁽¹⁾ (nH ± 20%)	LS @ I _{sat-1} (nH Min.)	2*LK ⁽²⁾ (nH ± 20%)	2*LK @ I _{sat-2} (nH Min.)	DCR $^{(3)}$ (m Ω \pm 7%)	I _{sat-1} ⁽⁴⁾ (Adc)	I _{sat-2} (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.

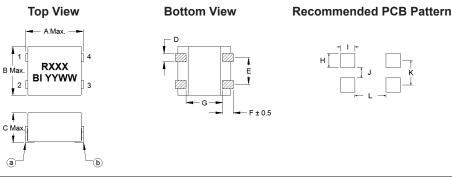
(2) 2*LK is two times of leakage inductance [Winding (1-2) with pins 4 & 3 shorted] @100kHz, 0.1V.

(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_{sat-2} is the DC current which causes 2*LK to drop to 2*LK @ I_{sat-2}.

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

