Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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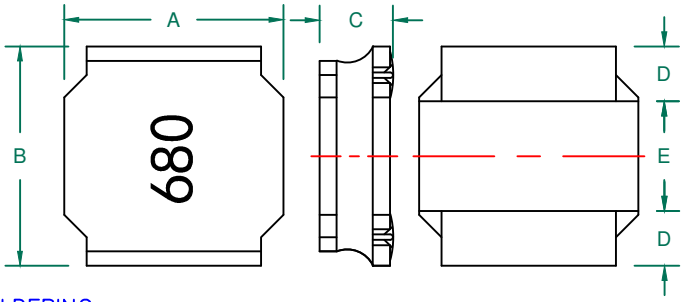
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

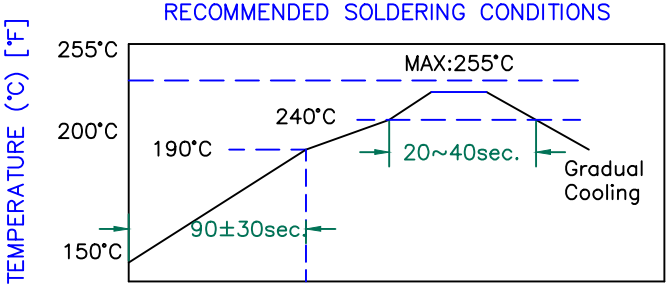
TYS8040680M-10

PHYSICAL DIMENSIONS:

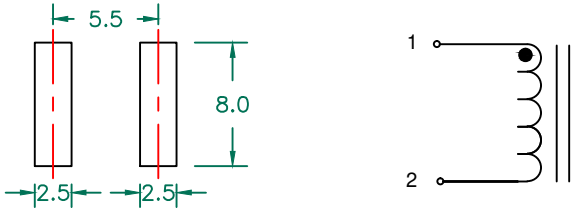
A	8.00	±	0.30
B	8.00	±	0.30
C	4.00	+0.20 −0.30	
D	2.45	±	0.30
E	3.10	±	0.30



RECOMMENDED SOLDERING CONDITIONS



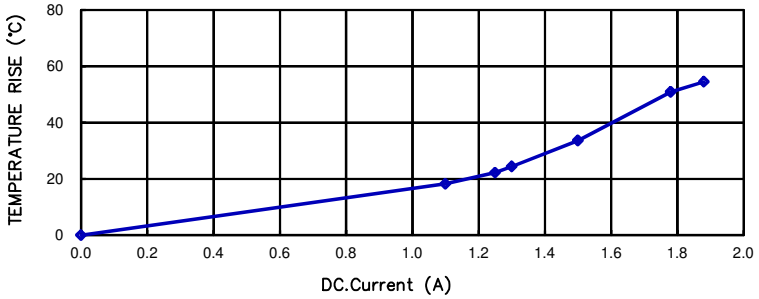
LAND PATTERNS FOR REFLOW SOLDERING



ELECTRICAL SPECIFICATION

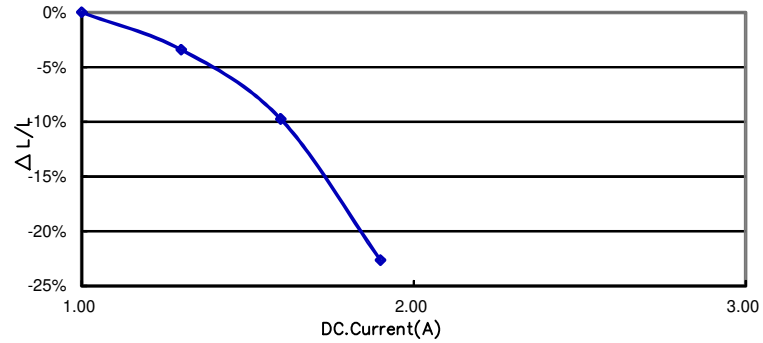
	Min	Nom	Max
INDUCTANCE (uH) L @ 100 KHz/1V ±20%	54.4	68.0	81.6
DCR (Ω)		0.196	0.2548

CHARACTERISTICS OF TEMPERATURE RISE



Saturation Current(A)	1.45
SRF (MHz)	4.9
Temperature Rise Current (A)	1.25

CURRENT VS INDUCTANCE DROP IN RATES



NOTES:

1. OPERATION TEMPERATURE RANGE: −40°C~+125°C (INCLUDING SELF−HEATING).

2. STORAGE TEMPERATURE RANGE (PACKAGING CONDITIONS): −10°C TO +40°C AND RH 70% (MAX.)

3. UNLESS OTHERWISE SPECIFIED, THE STANDARD ATMOSPHERIC CONDITIONS FOR MEASUREMENT/TEST AS:
   A. AMBIENT TEMPERATURE: 20±15°C.
   B. RELATIVE HUMIDITY: 65%±20%.

4. SATURATION CURRENT IS THE DC CURRENT AT WHICH THE INDUCTANCE DROPS OFF APPROXIMATELY 30% FROM ITS VALUE WITHOUT CURRENT.(AMBIENT TEMPERATURE 25±5°C)

5. TEMPERATURE RISE CURRENT (IRMS):
   DC CURRENT THAT CAUSES THE TEMPERATURE RISE (△T ≤40°C) FROM 25°C AMBIENT.

DIMENSIONS ARE IN mm .

REV	DESCRIPTION	DATE	INT
C	CHANGE DIMENSIONS C/D/E	08/18/16	QIU
B	CHANGE TEMP. FROM −25°C~+125°C	12/26/12	QIU
A	ORIGINAL DRAFT	06/01/12	QIU

PROJECT/PART NUMBER: TYS8040680M−10	REV: C	PART TYPE: POWER INDUCTOR	DRAWN BY: QIU		
DATE: 06/01/12	SCALE: NTS	SHEET: 1 of 1			
CAD #: TYS8040680M−10−C	TOOL #: −				