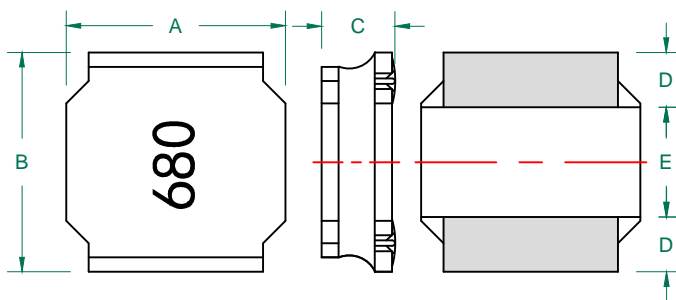


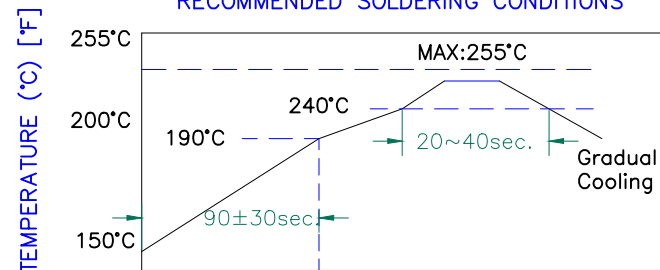
TYS4020680M-10

PHYSICAL DIMENSIONS:

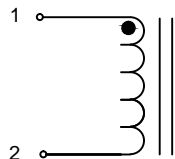
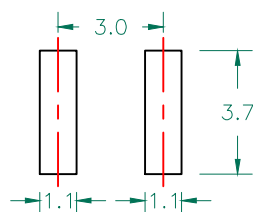
A	4.00 ± 0.20
B	4.00 ± 0.20
C	2.00 MAX.
D	1.20 ± 0.30
E	1.60 ± 0.30



RECOMMENDED SOLDERING CONDITIONS



LAND PATTERNS FOR REFLOW SOLDERING



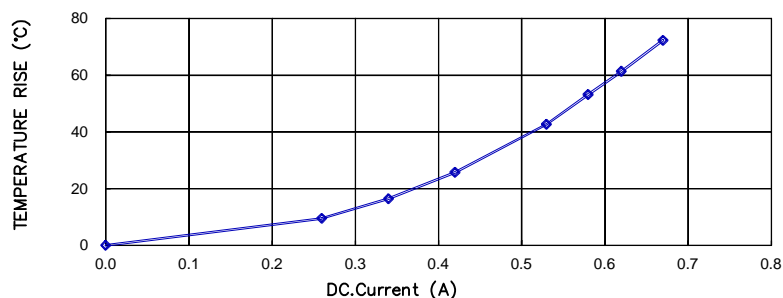
RoHS

ELECTRICAL SPECIFICATION

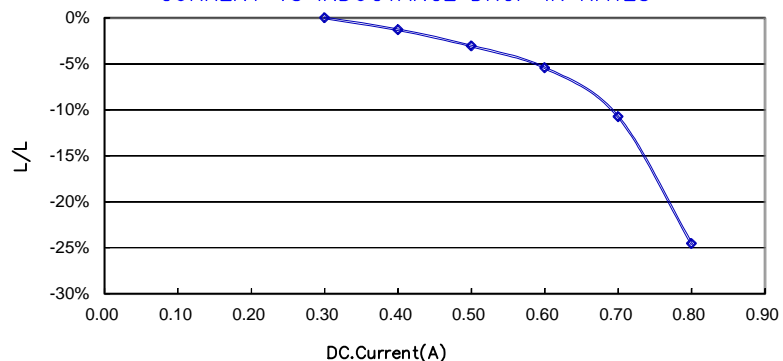
	Min	Nom	Max
INDUCTANCE (uH) L @ 100 KHz/1V ±20%	54.4	68.0	81.6
DCR (Ω)		1.060	1.378

Saturation Current(A)	0.61
SRF (MHz)	7.7
Temperature Rise Current (A)	0.36

CHARACTERISTICS OF TEMPERATURE RISE



CURRENT VS INDUCTANCE DROP IN RATES



NOTES: UNLESS OTHERWISE SPECIFIED

- OPERATING TEMPERATURE RANGE: -40°C TO +125°C (INCLUDING SELF-HEATING) .
- STORAGE TEMPERATURE RANGE (PACKAGING CONDITIONS): -10°C TO +40°C AND RH 70% (MAX.)
- UNLESS OTHERWISE SPECIFIED, THE STANDARD ATMOSPHERIC CONDITIONS FOR MEASUREMENT/TEST AS:
 - AMBIENT TEMPERATURE: 20±15°C.
 - RELATIVE HUMIDITY: 65%±20%.
- DEFINITION OF SATURATION CURRENT (ISAT): DC CURRENT AT WHICH THE INDUCTANCE DROPS ≤30% FROM ITS VALUE WITHOUT CURRENT.
- DEFINITION OF TEMPERATURE RISE CURRENT (IRMS): DC CURRENT THAT CAUSES THE TEMPERATURE RISE (ΔT ≤40°C) FROM 20°C AMBIENT.

DIMENSIONS ARE IN mm .				This print is the property of Laird Tech. and is loaned in confidence subject to return upon request and with the understanding that no copies shall be made without the written consent of Laird Tech. All rights to design or invention are reserved.			
				Laird			
PROJECT/PART NUMBER:				REV		PART TYPE:	
TYS4020680M-10				C		POWER INDUCTOR	
DRAWN BY:				DATE:		SCALE:	
QIU				09/06/12		NTS	
CHANGE DIMENSIONS: D/E				01/11/18		SHEET:	
QIU				QIU		1 of 1	
CHANGE LOGO				08/06/15			
QIU				QIU			
ORIGINAL DRAFT				09/06/12			
QIU				QIU			
DESCRIPTION				DATE		TOOL #	
TYS4020680M-10-C						-	

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