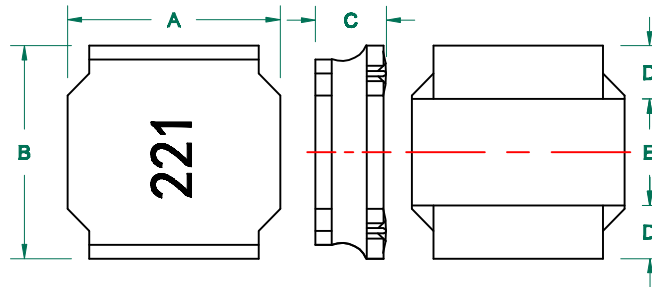


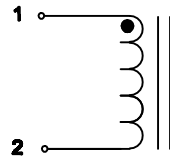
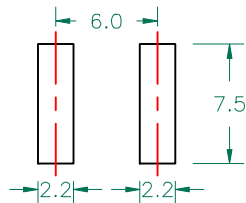
TYS8040221M-10

PHYSICAL DIMENSIONS:

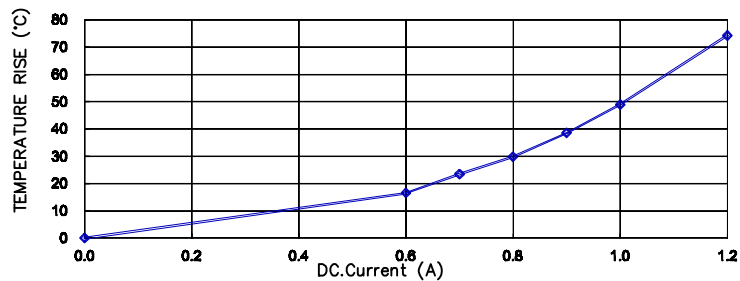
A	8.00	± 0.30
B	8.00	± 0.30
C	4.20	MAX.
D	2.00	± 0.30
E	4.00	± 0.30



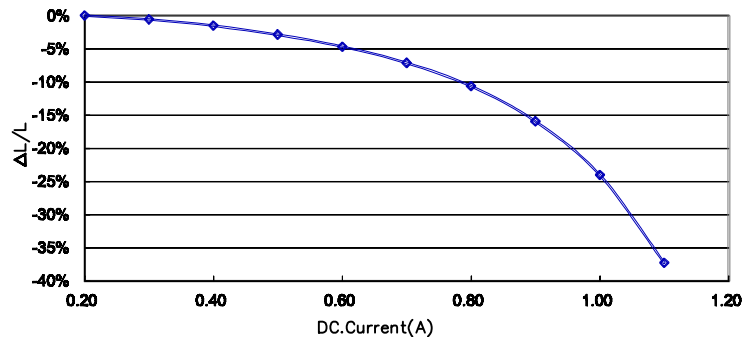
LAND PATTERNS FOR REFLOW SOLDERING



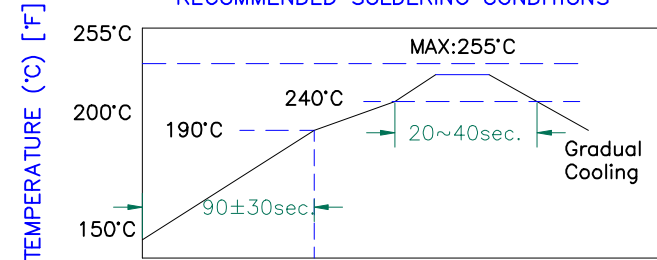
CHARACTERISTICS OF TEMPERATURE RISE



CURRENT VS INDUCTANCE DROP IN RATES



RECOMMENDED SOLDERING CONDITIONS



ELECTRICAL SPECIFICATION

	Min	Nom	Max
INDUCTANCE (uH) L @ 100 KHz/1V ± 20%	176	220	264
DCR (Ω)		0.599	0.7787

Saturation Current(A)	0.85
SRF (MHz)	3.5
Temperature Rise Current (A)	0.80

**UNCONTROLLED
DOCUMENT**

NOTES: UNLESS OTHERWISE SPECIFIED

1. OPERATING TEMPERATURE RANGE: -25°C TO +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. DEFINITION OF SATURATION CURRENT (ISAT): DC CURRENT AT WHICH THE INDUCTANCE DROPS ≤30% FROM ITS VALUE WITHOUT CURRENT.
5. 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. PROJECT/PART NUMBER: TYS8040221M-10 DATE: 06/01/12 CAD # TYS8040221M-10-A SCALE: NTS TOOL # — SHEET: 2 of 2					
				REV A		PART TYPE: POWER INDUCTOR		DRAWN BY: QIU	
				DATE: 06/01/12		SCALE: NTS		SHEET: 2 of 2	
A ORIGINAL DRAFT				06/01/12 QIU					
REV		DESCRIPTION		DATE		INT			