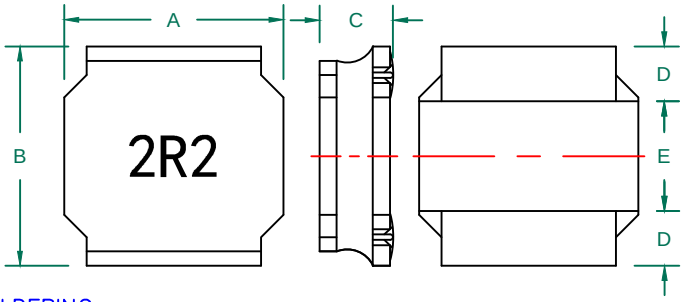
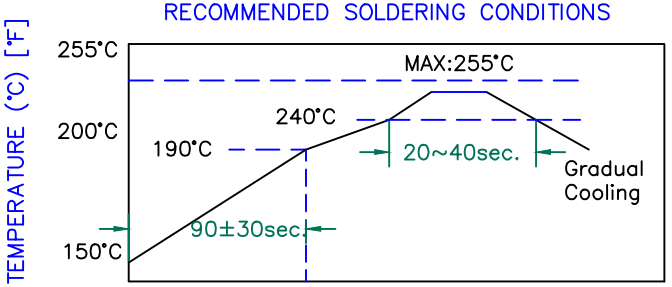
TYS40122R2N-10

PHYSICAL DIMENSIONS:

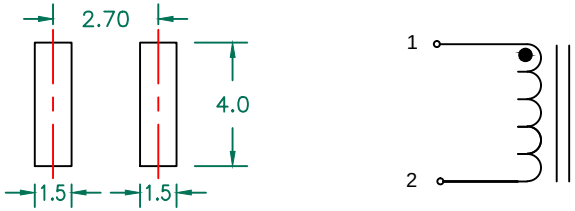
A	4.00	±	0.20
B	4.00	±	0.20
C	1.20	±	0.20 / 0.30
D	1.30	±	0.30
E	1.40	±	0.30



RECOMMENDED SOLDERING CONDITIONS



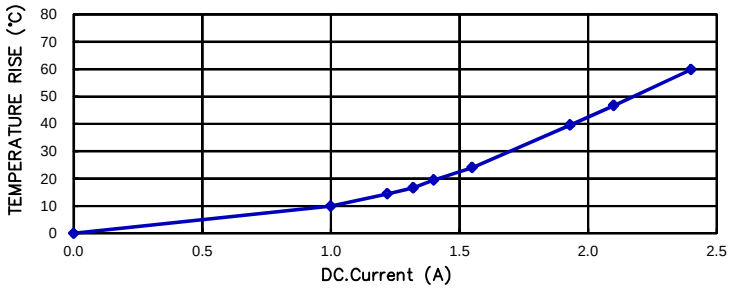
LAND PATTERNS FOR REFLOW SOLDERING



ELECTRICAL SPECIFICATION

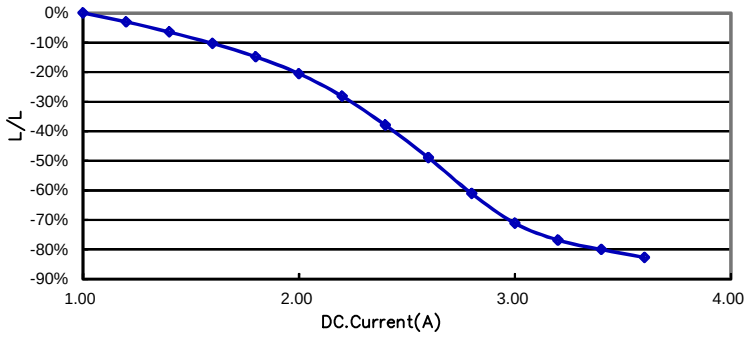
	Min	Nom	Max
INDUCTANCE (uH) L @ 100 KHz/1V ±30%	1.54	2.20	2.86
DCR (Ω)		0.080	0.104

CHARACTERISTICS OF TEMPERATURE RISE



Saturation Current(A)	1.76
SRF (MHz)	74
Temperature Rise Current (A)	1.32

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
D	CHANGE DIMENSIONS: C/D/E	07/28/16	QIU
C	CHANGE TEMP FROM −25°C~+125°C	12/18/12	QIU
B	CHE TEMP,TOLERANCE,LAND PATTERNS	12/19/12	QIU
A	ORIGINAL DRAFT	11/22/11	QIU

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PROJECT/PART NUMBER: TYS40122R2N−10	REV: D	PART TYPE: POWER INDUCTOR	DRAWN BY: QIU
DATE: 11/22/11	SCALE: NTS	SHEET: 1 of 1	
CAD #: TYS40122R2N−10−D	TOOL #: −		