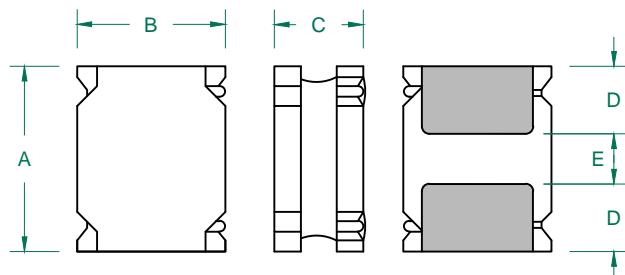


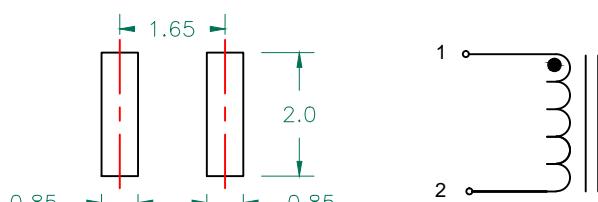
TYS252012L6R8M-10

PHYSICAL DIMENSIONS:

A	2.50	\pm	0.20
B	2.00	\pm	0.20
C	1.20	\pm	0.20
D	0.80	\pm	0.20
E	0.80	\pm	0.20

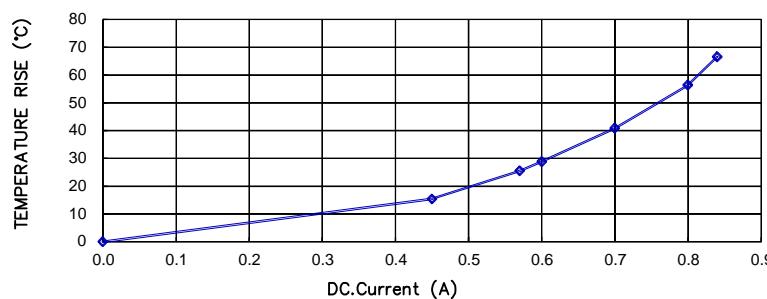


LAND PATTERNS FOR REFLOW SOLDERING

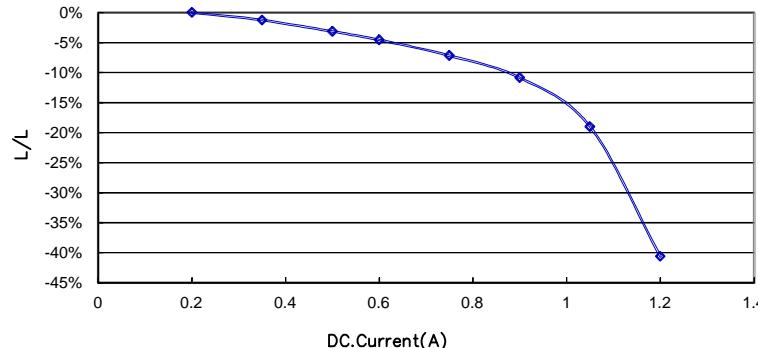


RoHS

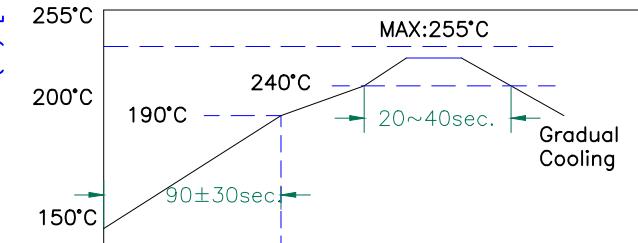
CHARACTERISTICS OF TEMPERATURE RISE



CURRENT VS INDUCTANCE DROP IN RATES



RECOMMENDED SOLDERING CONDITIONS



ELECTRICAL SPECIFICATION

	Min	Typ	Max
INDUCTANCE (uH) L @ 100KHz/1V $\pm 20\%$	5.44	6.80	8.16
DCR (Ω)			0.536
Saturation Current(A)		1.09	0.98

SRF (MHz)	38
Temperature Rise Current (A)	0.69

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:
A. AMBIENT TEMPERATURE: 20±15°C.
B. 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 ($\Delta T \leq 40^\circ\text{C}$) FROM 20°C AMBIENT.

DIMENSIONS ARE IN mm .

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C	CHANGE DIMENSIONS: A/B/C/D/E	01/16/18	QUI	REV C PART TYPE: POWER INDUCTOR DRAWN BY: QUI
B	CHANGE TEMP. FROM -25°C~+125°C	12/26/12	QUI	DATE: 07/06/12 SCALE: NTS SHEET: 1 of 1
A	ORIGINAL DRAFT	07/06/12	QUI	CAD #: TYS252012L6R8M-10 TOOL #: -
REV	DESCRIPTION	DATE	INT	1 of 1

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