

# T1/CEPT PULSE TRANSFORMER

Turns Ratio ( $\pm 5\%$ )

\*1:1 (75 $\Omega$ ) /1:1.26 (120 $\Omega$ )

PARAMETER	MIN.	MAX.	UNITS
Open Circuit Inductance	1.5		mHy
Leakage Inductance		0.40	$\mu$ Hy
Interwinding Capacitance ( $C_{ww}$ )		35	pF
Primary DC Resistance		0.7	ohms
Secondary DC Resistance		0.9	ohms
Isolation (HI-POT)	1.5		KV <sub>RMS</sub>
ET Product	10		V $\mu$ S
Common Mode Rejection ( @ 1MHz in 100 $\Omega$ System)	50		dB

**TEST CONDITIONS:**

Oscillation Voltage = 20mV

Oscillation Frequency = 100.0 KHz

Inductance measured on Primary winding. Pins 2 - 6.

\*Secondary = Pins 3 - 5 for 75 $\Omega$

Secondary = Pins 1 - 5 for 120 $\Omega$

Flammability: Materials used in the production of these units meet requirements of UL94-VO and IEC 695-2-2 needle flame test.

**Temperature Characteristics:**

-40° C 900  $\mu$ H min. (40% drop in inductance)

+85° C 1.7 mH min. (15% growth in inductance)

**Typical part:**

2.1 mH @ +25° C

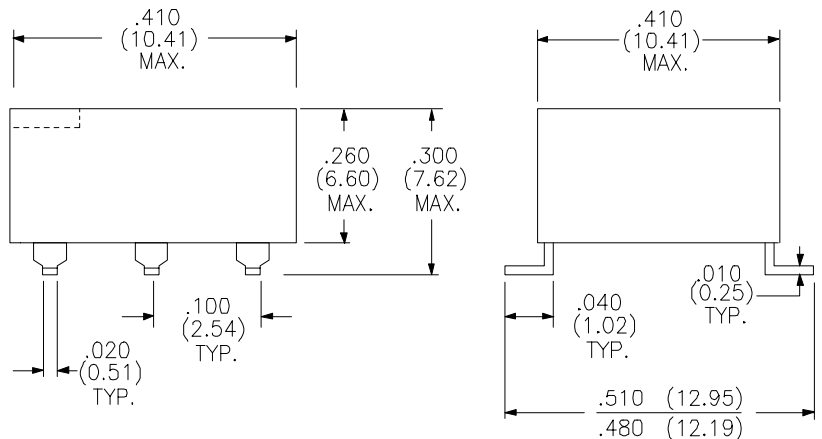
2.4 mH @ +85° C

1.3 mH @ -40° C

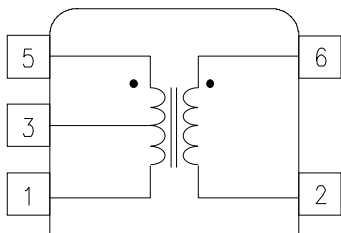
Parts shipped in anti-static tubes. 44 pieces per tube

*Tape & Reel Available*

**PHYSICAL DIMENSIONS**  
All dimensions in inches (mm):



**SCHEMATIC DIAGRAM:**



**RHOMBUS INDUSTRIES INC.**  
**FSCM NO. 16714**

RHOMBUS P/N: T-10320

CUST P/N:

NAME:

DATE: 10/12/96

SHEET: 1 OF 1