

# \*T3 DUAL INTERFACE TRANSFORMER

Turns Ratio ( ± 3%)	1:2CT (TX) & 1:1 (RX)
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PARAMETER	MIN.	MAX.	UNITS
Primary Inductance TX: pins 16-14 RX: pins 6-8	40 100		μHy μHy
Rise Time		3.00	nS
Leakage Inductance		0.14	μHy
Capacitance (C <sub>W/W</sub> )		10	pF
Primary DC Resistance		0.2	ohms
Isolation	1500		V <sub>RMS</sub>

Operating Temperature range: -40°C to +85°C

3 dB Bandwidth is .200 - 340 (MHz) typical, tested in a 75 ohm system

\*Also suitable for DS3, E3 and STS-1 interfaces

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

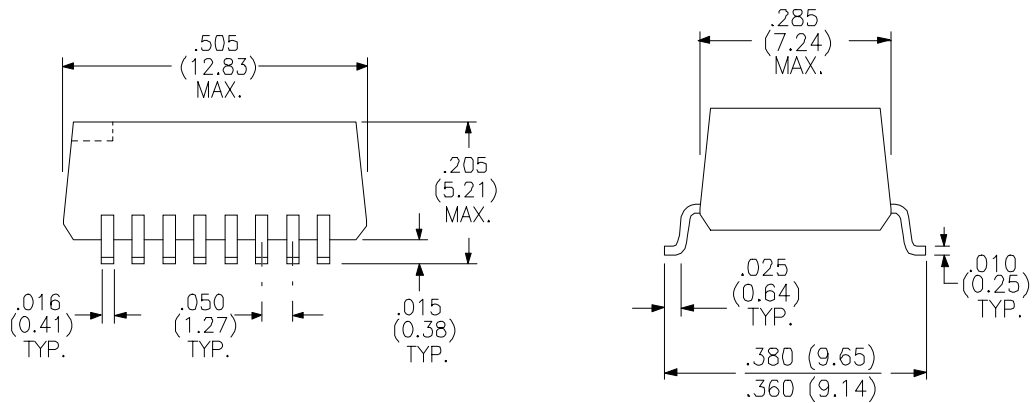
**Temperature Characteristics TX:**  
-40° C 24 μH min. (40% drop in inductance)  
+85° C 56 μH min. (40% growth in inductance)

Typical part: TX Side  
54.0 μH @ +25° C  
78.5 μH @ +85° C  
32.5 μH @ -40° C

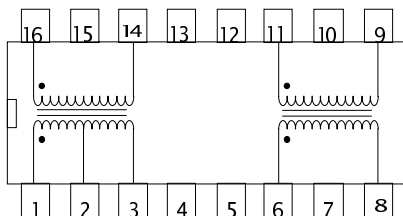
Parts shipped in anti-static tubes. 33 pieces per tube

*Tape & Reel Available*

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



## SCHEMATIC DIAGRAM:



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

RHOMBUS P/N: **T-15102**

CUST P/N:

NAME:

DATE: **7/31/00**

SHEET: 1 OF 1