

# \*T3 DUAL INTERFACE TRANSFORMER

Turns Ratio ( ± 3%)	1:1 & 1:1
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PARAMETER	MIN.	MAX.	UNITS
Inductance	45		μHy
Rise Time		3.00	nS
Leakage Inductance		0.12	μHy
Capacitance (C <sub>ww</sub> )		18	pF
Primary DC Resistance		0.3	ohms
Isolation	1500		VRMS

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

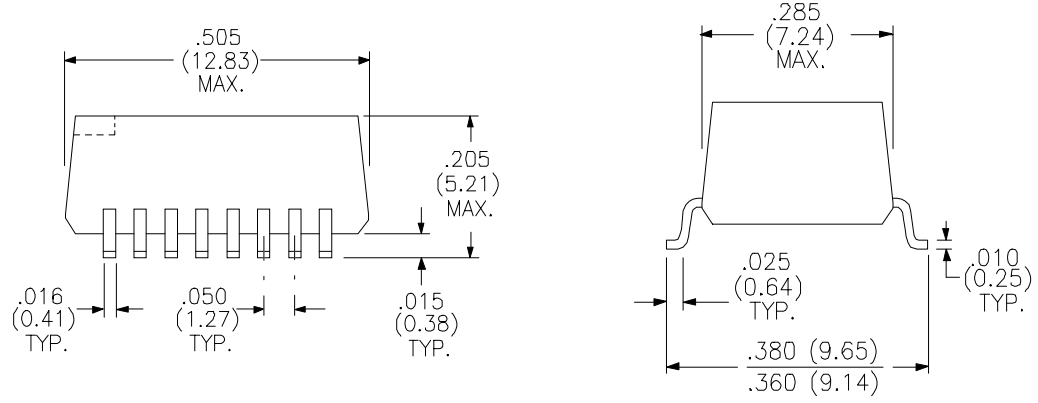
*Tape & Reel Available*

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

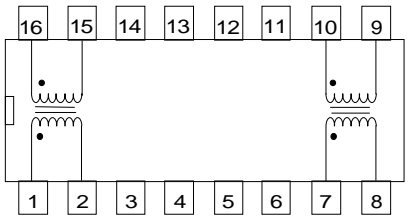
3 dB Bandwidth is .200 - 340 (MHz) typical, tested in a 75 ohm system

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

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



### SCHEMATIC DIAGRAM:



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

RHOMBUS P/N: <b>T-15107</b>	
CUST P/N:	NAME:
DATE: <b>9/3/00</b>	SHEET: 1 OF 1



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