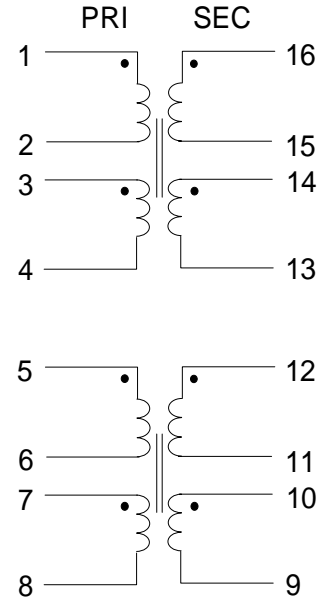


# ISDN S-Interface Dual Transformer

Turns Ratio Pins 1-4:16-13 & 5-8:12-9	1:2 & 1:1
---------------------------------------	-----------

## SCHEMATIC DIAGRAM

PARAMETER	MIN.	MAX.	UNITS
Open Circuit Inductance 1-4 <sup>(1)</sup> 5-8 <sup>(2)</sup>	22		mHy
Leakage Inductance 1-4 <sup>(1)</sup> Short 16-13 <sup>(3)</sup> 5-8 <sup>(2)</sup> Short 12-9 <sup>(4)</sup>		15 5	$\mu$ Hy $\mu$ Hy
Interwinding Capacitance ( $C_{WM}$ ) 1-4 <sup>(1)</sup> & 16-13 <sup>(3)</sup> 5-8 <sup>(2)</sup> & 12-9 <sup>(4)</sup>		100 100	pF pF
Distributed Parallel Capacitance 1-4 <sup>(1)</sup> 5-8 <sup>(2)</sup>		80 40	pF pF
Primary DC Resistance: 1-4 <sup>(1)</sup> ; 5-8 <sup>(2)</sup>	2.04	2.76	ohms
Secondary DC Resistance: 16-13 <sup>(3)</sup>	3.40	4.60	ohms
Secondary DC Resistance: 12-9 <sup>(4)</sup>	2.04	2.76	ohms
Isolation (HI-POT)	2000		V <sub>RMS</sub>



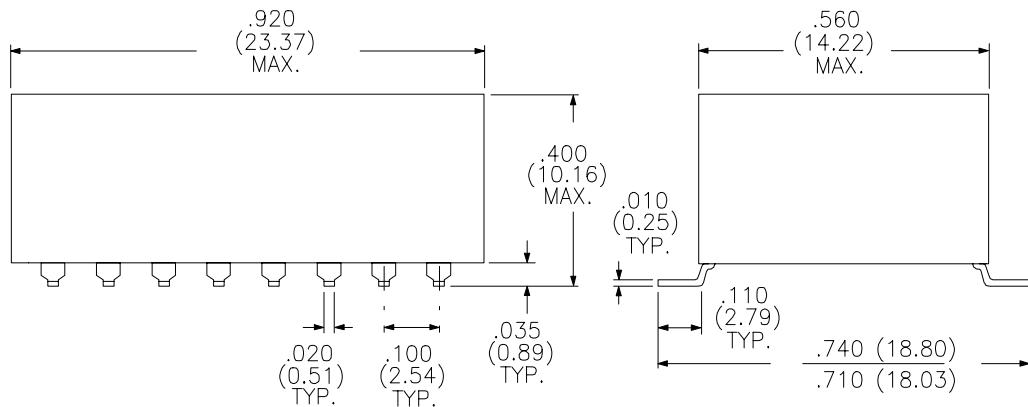
MEETS THE PULSE WAVEFORM TEMPLATE OF CCITT I.430.

- ✦ Primary is Line Side
- ✦ Unbalanced current at TE:  $\Delta I_{dc} = 1$  mA max.
- ✦ Longitudinal Conversion Loss - 10KHz to 300 KHz: 60dB min.

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

Parts shipped in anti-static trays. 40 pieces per tray

Package Dimensions in Inches (mm)



Oscillation Voltage = 700mV  
Oscillation Frequency = 10.0 KHz

1. Connect Pins 2 & 3
2. Connect Pins 6 & 7
3. Connect Pins 14 & 15
4. Connect Pins 10 & 11

RHOMBUS P/N: <b>T-13500</b>	
CUST P/N:	NAME:
DATE: <b>3/24/94</b>	SHEET: 1 OF 1