

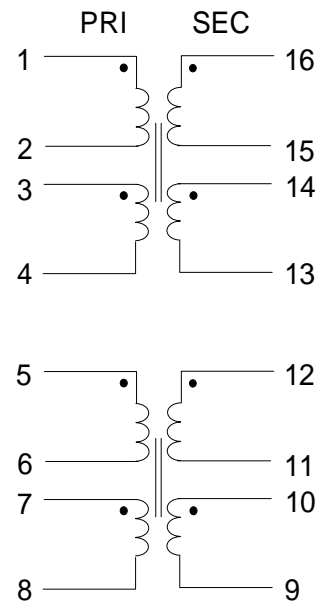
# ISDN S-Interface Dual Transformer

UL 1459 Recognized 

Turns Ratio Pins 1-4:16-13 & 5-8:12-9	1:1 & 1:1
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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>		5 5	$\mu$ Hy $\mu$ Hy
Interwinding Capacitance ( $C_{W/W}$ ) 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>		40 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> ; 12-9 <sup>(4)</sup>	2.04	2.76	ohms
Isolation (HI-POT)	2000		$V_{RMS}$

## SCHEMATIC DIAGRAM



MEETS THE PULSE WAVEFORM  
TEMPLATE OF CCITT I.430.

Primary is Line Side

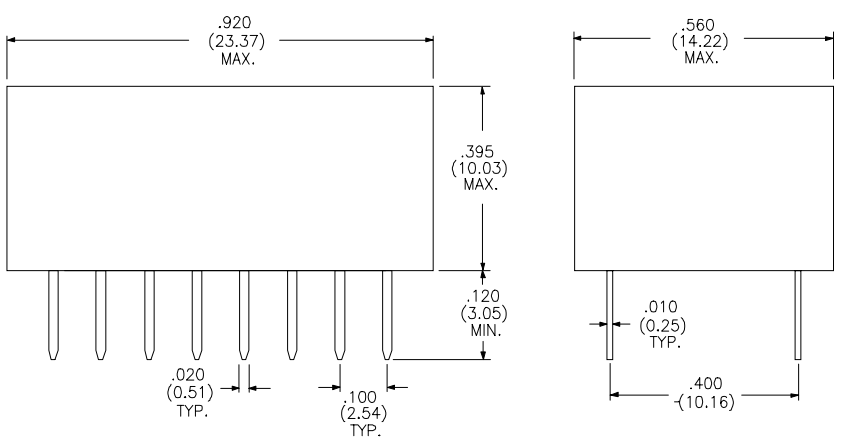
Unbalanced current at TE:  $\Delta I_{dc} = 1$  mA max.

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  
tubes. 18 pieces per tube

## Physical 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-10501</b>	
CUST P/N:	NAME:
DATE: <b>3/24/94</b>	SHEET: 1 OF 1