

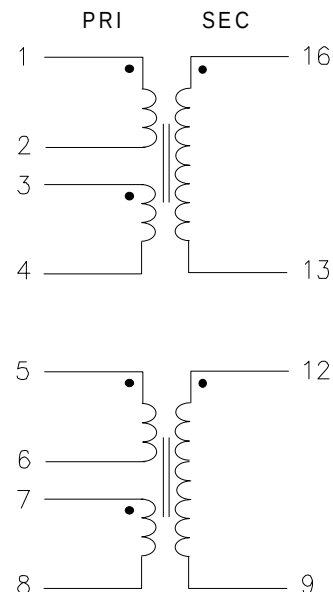
# ISDN S-Interface Dual Transformer Compatible With AT&T T7256

UL 1459 Recognized 

Turns Ratio Pins 1-4:16-13 & 5-8:12-9 1:2.5 & 1:2.5

| PARAMETER                                                                                                                      | MIN. | MAX.       | UNITS                |
|--------------------------------------------------------------------------------------------------------------------------------|------|------------|----------------------|
| Open Circuit Inductance<br>1-4 <sup>(1)</sup><br>5-8 <sup>(2)</sup>                                                            | 22   |            | mHy                  |
| Leakage Inductance<br>1-4 <sup>(1)</sup> Short 16-13<br>5-8 <sup>(2)</sup> Short 12-9                                          |      | 4<br>4     | $\mu$ Hy<br>$\mu$ Hy |
| Interwinding Capacitance ( $C_{ww}$ )<br>1-4 <sup>(1)</sup> & 16-13 <sup>(3)</sup><br>5-8 <sup>(2)</sup> & 12-9 <sup>(4)</sup> |      | 100<br>100 | pF<br>pF             |
| Distributed Parallel Capacitance<br>1-4 <sup>(1)</sup><br>5-8 <sup>(2)</sup>                                                   |      | 180<br>100 | pF<br>pF             |
| Primary DC Resistance: 1-4 <sup>(1)</sup> ; 5-8 <sup>(2)</sup>                                                                 |      | 2.30       | ohms                 |
| Secondary DC Resistance: 16-13 ; 12-9                                                                                          |      | 5.80       | ohms                 |
| Isolation (HI-POT)                                                                                                             | 2400 |            | V <sub>RMS</sub>     |

## SCHEMATIC DIAGRAM



MEETS THE PULSE WAVEFORM  
TEMPLATE OF CCITT I.430.

Primary is Line Side

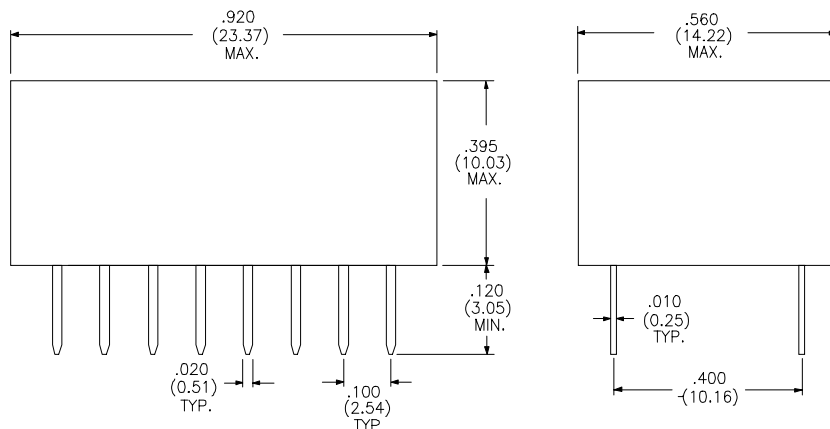
Unbalanced current at TE:  $\Delta I_{dc} = 1$  mA max.

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 = 500mV  
Oscillation Frequency = 10.0 KHz

1. Connect 2 & 3
2. Connect 6 & 7

RHOMBUS P/N: **T-10506**

CUST P/N:

NAME:

DATE: **3/24/94**

SHEET: 1 OF 1