# ISDN S Interface Transformer

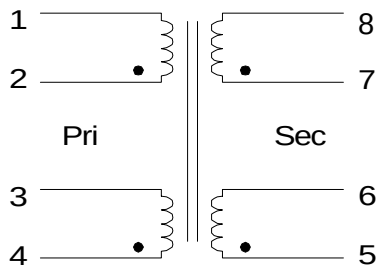
| Turns Ratio ( ± 2% ) | 1CT : 2.5CT* |
|---|---|

| PARAMETER | MIN. | MAX. | UNITS |
|---|---|---|---|
| Open Circuit Inductance | 22 | | mHy |
| Leakage Inductance | | 40 | µHy |
| Interwinding Capacitance ($C_{W/W}$) | | 100 | pF |
| Distributed Capacitance ($C_D$) | | 110 | pF |
| Primary DC Resistance | 2.13 | 2.88 | ohms |
| Secondary DC Resistance | 4.93 | 6.67 | ohms |
| Isolation (HI-POT) | 2.0K | | $V_{RMS}$ |

**TEST CONDITIONS:**
Oscillation Voltage = 700mV
Oscillation Frequency = 10.0 KHz
Inductance measured on Primary winding. Pins 1 - 4 (short 2 & 3).

*Short Pins 2 & 3 and 6 + 7

## SCHEMATIC DIAGRAM




MEETS THE PULSE WAVEFORM TEMPLATE OF CCITT I.430.

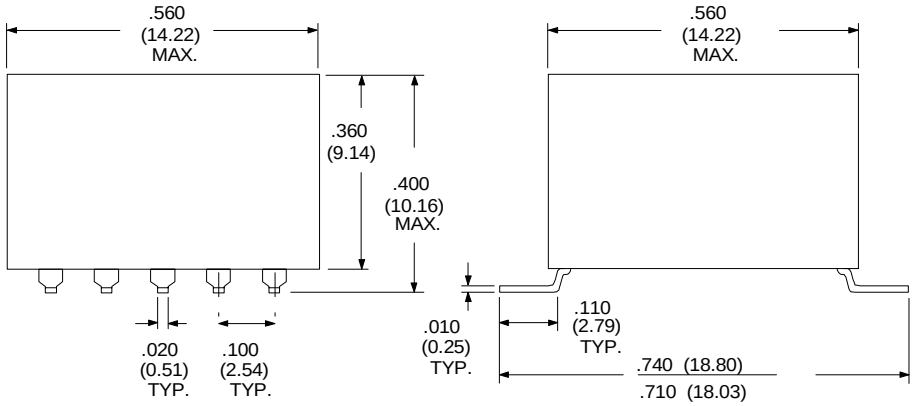
Primary is Line Side

Unbalanced current at TE: Δ Idc = 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.

PHYSICAL DIMENSIONS
inches (mm)




| RHOMBUS P/N: **T-13404** | |
|---|---|
| CUST P/N: | NAME: |
| DATE: **12/09/98** | SHEET: 1 OF 1 |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