

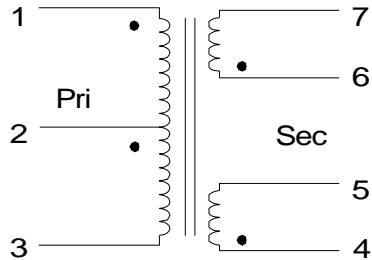
# ISDN S Interface Transformer

## REINFORCED INSULATION PER EN 41003/EN 60950

|                      |              |
|----------------------|--------------|
| Turns Ratio ( ± 2% ) | 1CT : 1.8CT* |
|----------------------|--------------|

### SCHEMATIC DIAGRAM

| PARAMETER   | MIN. | MAX. | UNITS     |
|---|------|------|-----------|
| Open Circuit Inductance   | 22   |      | mHy       |
| Leakage Inductance  |      | 15   | μHy       |
| Interwinding Capacitance ( $C_{VW}$ )   |      | 100  | pF        |
| Distributed Capacitance ( $C_D$ )   |      | 140  | pF        |
| Primary DC Resistance   | 2.13 | 2.88 | ohms      |
| Secondary DC Resistance   | 3.57 | 4.83 | ohms      |
| Isolation (HI-POT)  | 4.0K |      | $V_{RMS}$ |
| <b>TEST CONDITIONS:</b><br>Oscillation Voltage = 700mV<br>Oscillation Frequency = 10.0 KHz<br>Inductance measured on Primary winding. Pins 1 - 3. |      |      |           |



\*Short Pins 5 + 6

MEETS THE PULSE WAVEFORM  
TEMPLATE OF CCITT I.430.

Primary is Line Side

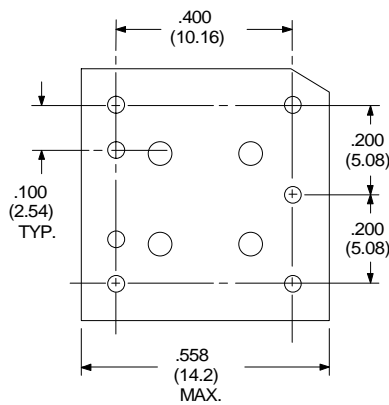
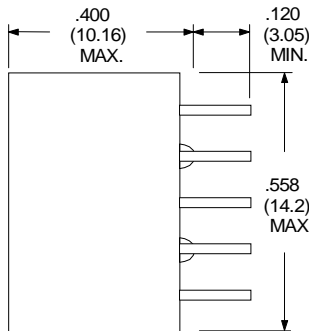
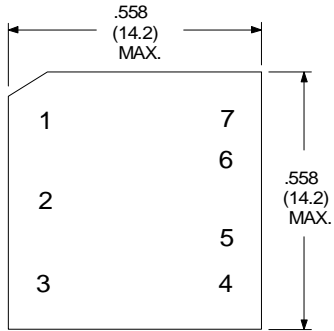
Unbalanced current at TE:  $\Delta I_{dc} = 1 \text{ mA max.}$

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.

### Unused Pins Omitted

### PHYSICAL DIMENSIONS inches (mm)



|                             |               |
|-----------------------------|---------------|
| <b>RHOMBUS P/N: T-10451</b> |               |
| CUST P/N:                   | NAME:         |
| DATE: <b>12/09/98</b>       | SHEET: 1 OF 1 |