

TEW4980 is designed to be used either as a transmit or a receive transformer in the ISDN primary access network, interfacing **SIEMENS PEB2235** and **PEB2236** to a 75, 100 or 120 ohm line.

When in transmit mode, connect the two primary windings in parallel, pin 1 to 3 and pin 2 to 4.

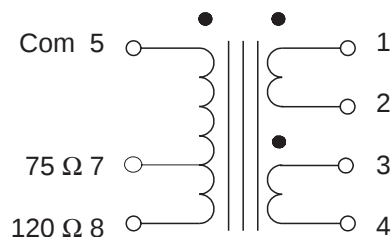
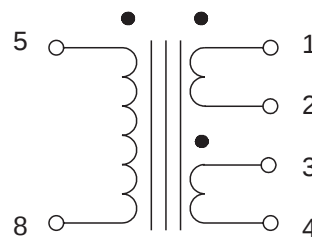
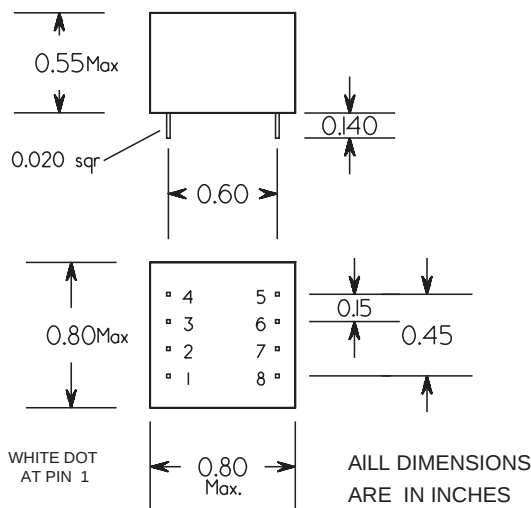
When in receive mode, connect the two primary windings in series, pin 2 to pin 3, thus forming a center tap at pin 2/3.

Typical applications are:

- Primary rate ISDN network nodes.
- PBX or computer to T1/CEPT Digital trunks.
- TDM Multiplexers.

Certified to **EN60950** & **EN41003**

## MECHANICAL



| ELECTRICAL SPECIFICATION    |                                          | TEW4980 -1 | - 2       | - 3    | - 4              |
|-----------------------------|------------------------------------------|------------|-----------|--------|------------------|
| Line Impedance              |                                          | 75 Ω       | 100 Ω     | 120 Ω  | 75/120 Ω         |
| Inductance (mH)             | (5-8)                                    | > 0.75     | > 3.5     | > 1.2  | > 1.2            |
| Turns ratio                 | (1- 2):(3-4):(5-8)<br>(1- 2):(3-4):(5-7) | 1:1: 1.57  | 1:1: 2.67 | 1:1: 2 | 1:1:2<br>1:1:1.6 |
| Pulse Mask                  |                                          | CEPT       | T1/DS1    | CEPT   | CEPT             |
| Longitud. bal.              |                                          | I.431      | T1.408    | I.431  | I.431            |
| Return Loss                 |                                          | G.703      | T1.408    | G.703  | G.703            |
| Dielectric Strength, (Vrms) |                                          | 4000       | 4000      | 4000   | 4000             |