

CEPT/T1

In/Output Transformer

TEW4980

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.

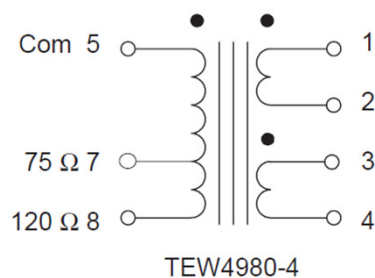
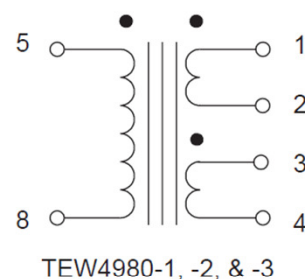
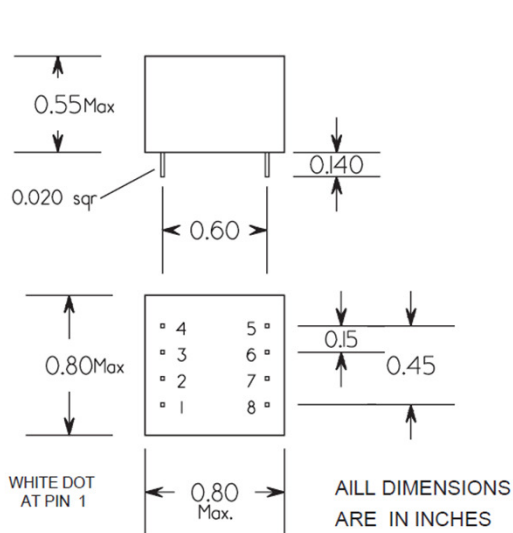
When in receive mode, connect the two primary windings in series, pin 2 to pin 3, thus forming a center tap at pin 2/3.

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) (1- 2):(3-4):(5-7)	1:1: 1.57	1:1: 2.67	1:1: 2 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