

CEPT /T1

Bridging Transformer

TEW 5291

TEW5291 is designed to be used as a high impedance "Bridging Transformer" in the ISDN primary rate access network for T1 and CEPT applications.

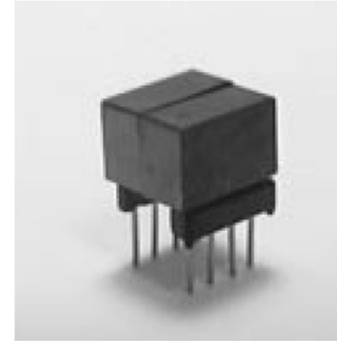
TEW5291 will not significantly affect the line impedance, hence the return loss, if loaded with a high impedance >10 K Ω .

Connect pin 1 & 8

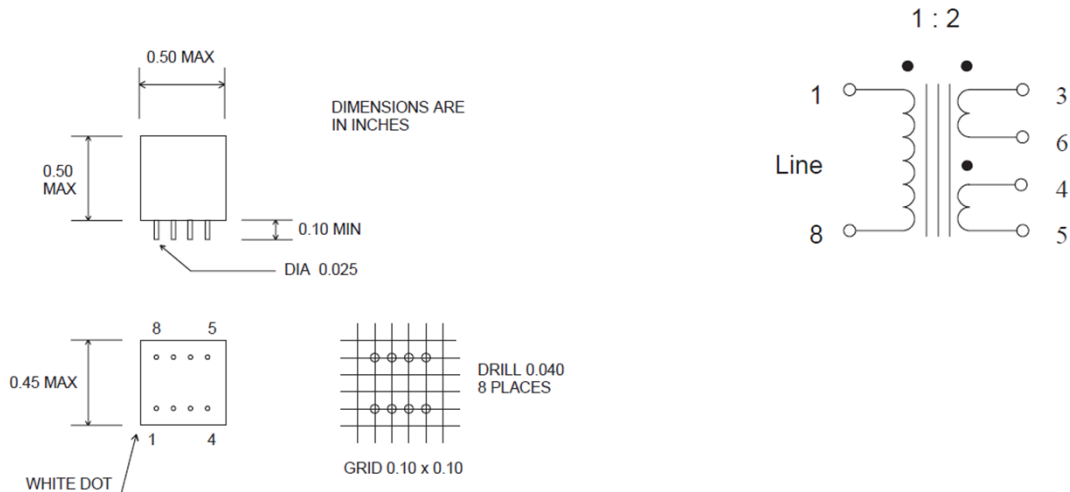
across the line, short pin 4 to pin 6 and terminate 3 & 5 with a high impedance, not lower than 10K Ω .

Typical applications are:

- Primary rate ISDN network nodes.
- PBX or computer to T1/CEPT Digital trunks.
- High speed data link using T1/CEPT Digital Trunk.



MECHANICAL



ELECTRICAL SPECIFICATIONS

Line Impedance	Ω		75, 100 & 120
Inductance	mH	(1-8)	> 5.0
Leakage Ind.	μ H	(1-8)	< 1.0
Inter wind. cap.	pF		< 50
Turns ratio		(1-8) : (3-6) : (4-5)	1:1:1
Frequency Resp.		5 - 5000 KHz	< 1 dB
Dielectric strength	Vrms		1500

@ Zin=100 Ω Zout= 10 K Ω .