

TEW 4596 is designed to be used either as a transmit or a receive transformer in the ISDN primary rate access network for T1 and CEPT applications.

TEW 4596 is recommended for use with the following devices:

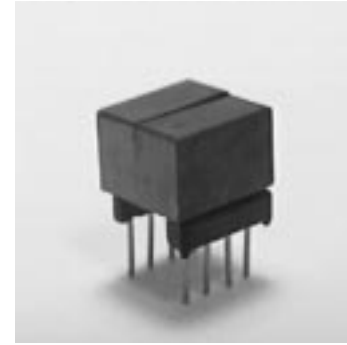
**Crystal** CS61534, CS61535, CS61574, CS6158

**Level One** LXT300, LXT301, LXT305

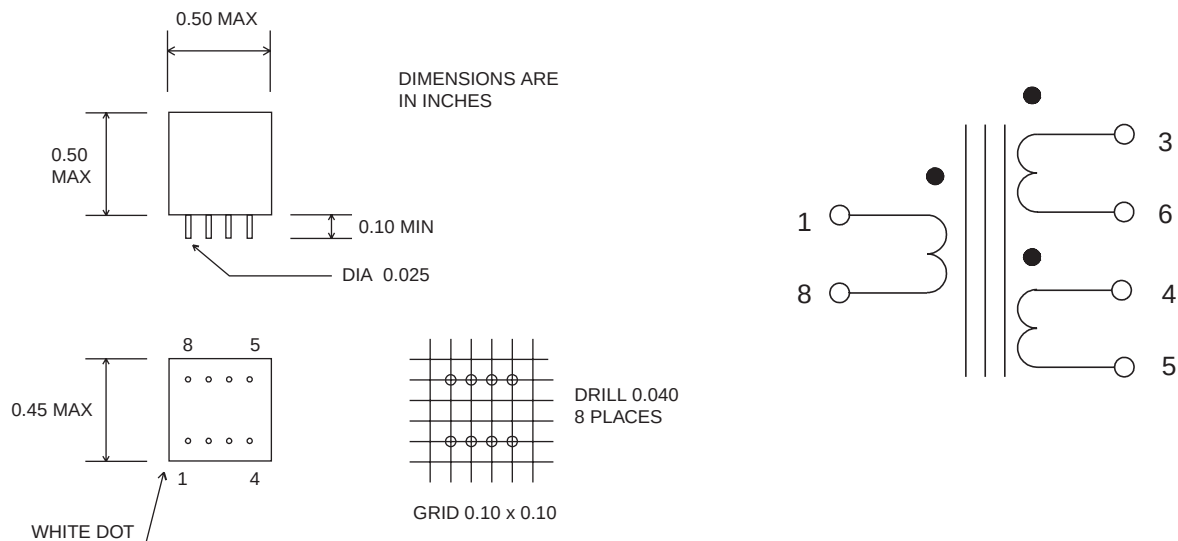
Typical applications are:

- Primary rate ISDN network nodes.
- PBX or computer to T1/CEPT Digital trunks.
- High speed data link using T1/CEPT Digital Trunk.
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For proper terminations consult respective manufacturers applications notes.



## MECHANICAL



## ELECTRICAL SPECIFICATIONS

## TEW4596

|                     |            |                                |                        |
|---------------------|------------|--------------------------------|------------------------|
| Line Impedance      |            |                                | 75, 100 & 120 $\Omega$ |
| Inductance          | mH         | (1-8)                          | > 0.6                  |
| Leakage Ind.        | $\mu$ H    | (1-8)                          | < 1.3                  |
| Inter wind. cap.    | pF         |                                | < 23                   |
| Turns ratio         |            | (1-8) : (3-6)<br>(1-8) : (4-5) | 1:1<br>1:1             |
| Return Loss         | dB         |                                | > 20                   |
| Wave Shape          |            |                                | T1/CEPT pulse mask     |
| Dielectric strength | Volts, rms |                                | 1500                   |