

# T1/CEPT

## Input Transformer

# TFS 2574

TFS 2574 is specifically designed for use as a Line Input Transformer in T1/CEPT applications.

It has been approved by MITEL for use with their MH89760 and MH89790 devices.

TFS2574 is available in five versions: - 0, -2, -3, -4 and -5 for 100, 120 and 75/120Ω line impedances.

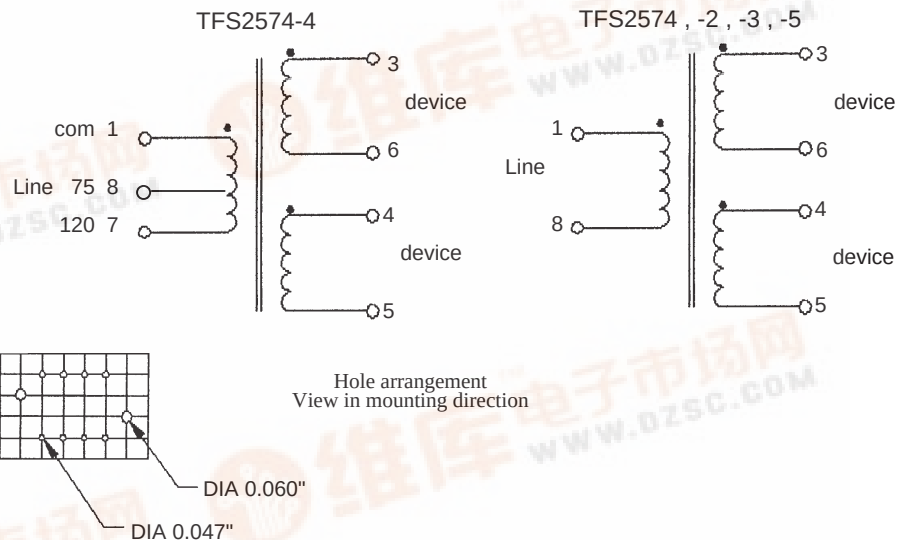
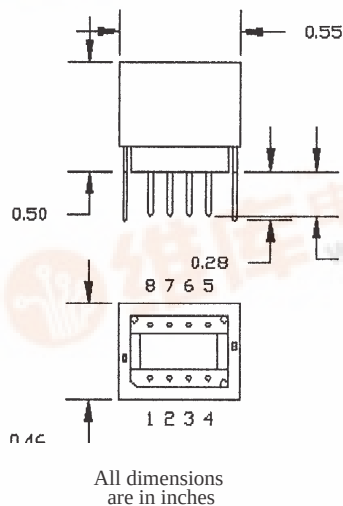
Also suitable as Input/Output transformer for other makes of T1/CEPT interface devices.

Typical applications are:

- PBX or computer to T1/CEPT Digital Trunks.
- High speed data link using T1/CEPT Digital Trunk.
- TDM Multiplexers.
- ISDN Primary Rate.



## MECHANICAL



## ELECTRIAL SPECIFICATIONS

|                             |                                            | TFS2574           | -2                | -3                | -4                  | -5                |
|-----------------------------|--------------------------------------------|-------------------|-------------------|-------------------|---------------------|-------------------|
| Line Impedance:             | T1 (MH89760)<br>CEPT (MH89790)             | 100Ω<br>75Ω       | 120Ω              | 120Ω              | 75/120Ω             | 75Ω               |
| DCR (Ohms)                  | (1 - 8)<br>(3 - 6) & (4 - 5)               | 0.6<br>0.7        | 0.37<br>0.64      | 0.6<br>0.6        | 0.41<br>0.62        | 0.41<br>0.75      |
| Inductance (mH)             | (1 - 8)<br>(1 - 7)                         | > 2.2mH           | > 1.07mH          | > 1.5mH           | > 1.20mH<br>> 1.9mH | > 0.8mH           |
| Turns Ratio                 | (1 - 8):(3 - 6):(4 - 5)<br>(1 - 7):(1 - 8) | 1:1:1             | 1.25:1:1          | 1.25:1:1          | 1:1:1<br>1.26:1     | 1:1:1             |
| Dielectric Strength (V rms) |                                            | 1500              | 1500              | 1500              | 1500                | 1500              |
| Applicable documents:       |                                            |                   |                   |                   |                     |                   |
| Longitudinal Bal.           | ANSI T1.408<br>CCITT I.431                 | yes<br>yes        | n/a<br>yes        | n/a<br>yes        | n/a<br>yes          | n/a<br>yes        |
| Return Loss                 | ANSI T1.408<br>CCITT G.703<br>BT BS6328    | yes<br>yes<br>n/a | n/a<br>yes<br>n/a | n/a<br>yes<br>n/a | n/a<br>yes<br>n/a   | n/a<br>yes<br>yes |