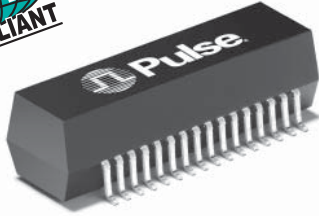


# T1/E1/CEPT/ISDN-PRI TRANSFORMER

## Octal SMT Transformer Module, Small Package



- RoHS peak reflow temperature rating 245°C
- Industry's smallest T1/E1 quad-port transformer module
- Crosstalk: -60 dB typically
- Operating temperature range: -40°C to +85°C
- UL recognized (some parts pending approval)
- Isolation voltage: 1500 Vrms

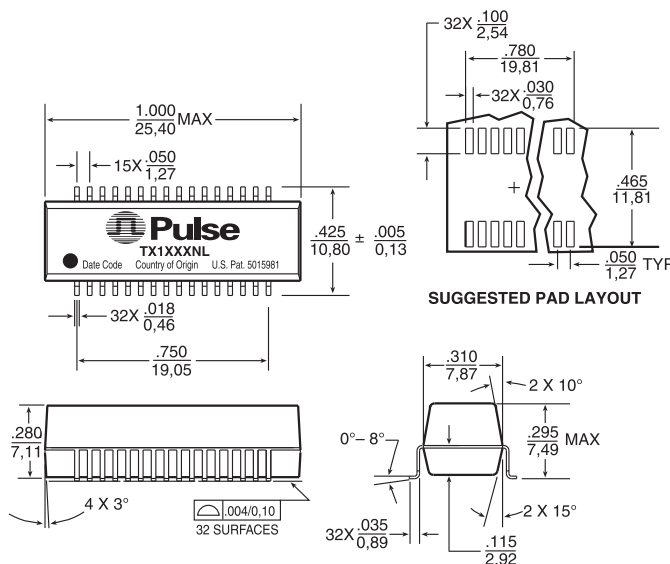
### Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

| RoHS-6 Compliant Part Number | Turns Ratio (Pri:Sec ±2%) | OCL Secondary @ 25°C (mH MIN) | L <sub>L</sub> (μH MAX) | C <sub>w/w</sub> (pF MAX) | Isolation Voltage (Vrms MIN) | Package/ Schematic | Primary Pins                                             |
|------------------------------|---------------------------|-------------------------------|-------------------------|---------------------------|------------------------------|--------------------|----------------------------------------------------------|
| TX1341NL                     | 1:2                       | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 3-4, 5-6, 7-8<br>9-10, 11-12, 13-14, 15-16          |
| TX1342NL                     | 1:1.15                    | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 3-4, 5-6, 7-8<br>9-10, 11-12, 13-14, 15-16          |
| T1343NL <sup>1</sup>         | 1:1.266                   | 1.5                           | .50                     | 40                        | 1500                         | YB/1               | 32-31, 30-29, 28-27, 26-25<br>24-23, 22-21, 20-19, 18-17 |
| TX1344NL                     | 1:1 & 1:2                 | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 5-6, 9-10, 13-14 &<br>3-4, 7-8, 11-12, 15-16        |
| TX1470NL                     | 1:1.41                    | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 3-4, 5-6, 7-8<br>9-10, 11-12, 13-14, 15-16          |
| TX1471NL                     | 1:1                       | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 3-4, 5-6, 7-8<br>9-10, 11-12, 13-14, 15-16          |
| TX1472NL                     | 1:2.4 & 1:1               | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 7-8, 9-10, 15-16 &<br>3-4, 5-6, 11-12, 13-14        |
| TX1473NL                     | 1:2 & 1:1                 | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 5-6, 9-10, 13-14 &<br>3-4, 7-8, 11-12, 15-16        |
| TX1474NL                     | 1:2.42                    | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 5-6, 9-10, 13-14 &<br>3-4, 7-8, 11-12, 15-16        |
| TX1475NL                     | 1:2 & 1:1                 | 1.2                           | .60                     | 30                        | 1500                         | YB/1               | 1-2, 7-8, 9-10, 15-16 &<br>3-4, 5-6, 11-12, 13-14        |

1. Operating temperature range: 0°C to +70°C

## Mechanical

YB



Weight: .....2.7 grams  
Tape & Reel: ..... 200/reel  
Tube: ..... 20/tube

**Dimensions:** Inches  
mm  
Unless otherwise specified,  
all tolerances are ± .010  
0.25

USA 858 674 8100 • Germany 49 7032 7806 0 • Singapore 65 6287 8998 • Shanghai 86 21 32181071 • China 86 755 33966678 • Taiwan 886 3 4643715

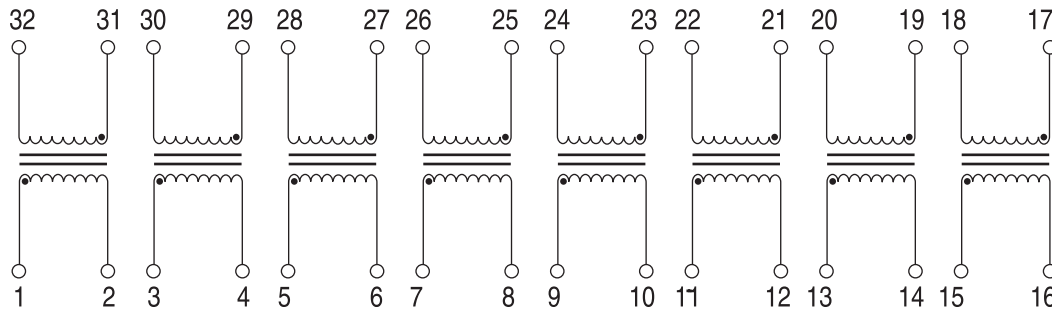
# T1/E1/CEPT/ISDN-PRI TRANSFORMER

## Octal SMT Transformer Module, Small Package



### Schematic

1



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