

### Features

- For use with Globespan ADSL/RADSL Line Driver IC (EL-1501) at the customer premises
- Designed to meet UL1950 and EN60950 supplementary insulation requirements for operating voltages up to 250 Vrms
- Small size package
- Operating temperature -40 °C to +85 °C

- Excellent Total Harmonic Distortion (THD) performance
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant\*

### Applications

- ADSL/RADSL - Globespan

## PT534-1 ADSL Line Transformers

### Electrical Specifications @ 25 °C

Turns Ratio  
 (1-3):(10-8), (2-4):(9-7), (1-3):(2-4)  
 .....1:1 ±2 %

OCL @ 10 kHz, 0.1 V  
 (1-4) with (2-3) shorted....407 μH ±5 %

Leakage Inductance @ 300 kHz 0.1 V  
 (1-4) with (2-3), (7-10), (8-9) shorted  
 .....10.0 μH max.

Longitudinal Balance  
 30 kHz to 1.1 MHz .....-50 dB min.

Insertion Loss @ 772 kHz  
 .....< 0.5 dB

Isolation Voltage .....1875 Vrms max.

DC Resistance  
 (1-3) = (2-4) .....0.66 Ω ±10 %  
 (10-8) = (9-7) .....0.56 Ω ±10 %

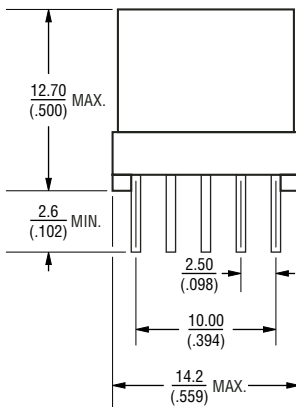
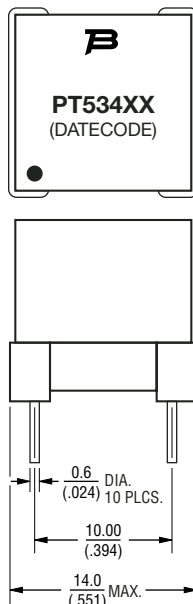
THD Linearity @ 100 kHz Min.  
 .....-85 dB typ.

Application .....CPE

### Packaging Specifications

Tray .....60 pcs./tray

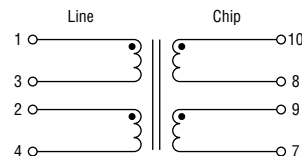
### Product Dimensions



DIMENSIONS ARE:  $\frac{\text{MM}}{\text{(INCHES)}}$

TOLERANCE:  $\pm \frac{0.25}{(.010)}$

### Electrical Schematic



### How to Order

Model **PT534-1**

Termination \_\_\_\_\_  
 Blank = Tin-lead  
 L = Tin only (lead free)