

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) shorted407 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 Voltage1875 Vrms max.

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

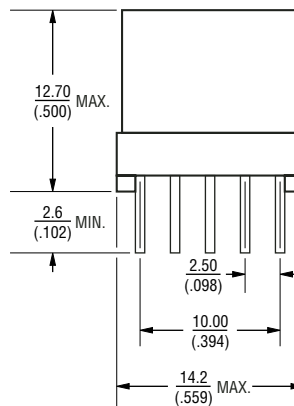
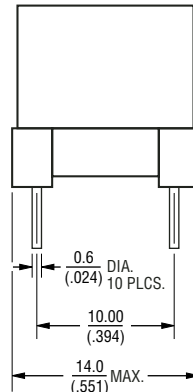
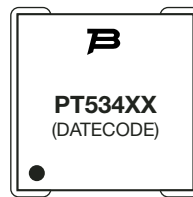
THD Linearity @ 100 kHz Min.
.....-85 dB typ.

ApplicationCPE

Packaging Specifications

Tray60 pcs./tray

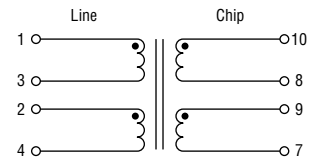
Product Dimensions



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

TOLERANCE: ± $\frac{0.25}{(.010)}$

Electrical Schematic



How to Order

Model PT534-1

Termination _____
Blank = Tin-lead
L = Tin only (lead free)