



### Features

- Matched to Alcatel Microelectronics' MTK-20131 ADSL chipset
- Excellent Total Harmonic Distortion (THD) performance
- Exceeds standards for ANSI and ETSI
- Isolation voltages up to 2000 Vrms
- Operating temperature -40 °C to +85 °C

- Designed to meet UL1950 and EN60950 supplementary insulation requirements for operating voltages up to 250 Vrms
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant\*

### Applications

- ADSL - Alcatel MTK20131

## PT533-1 ADSL Transformers

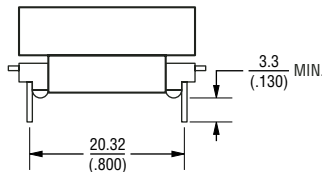
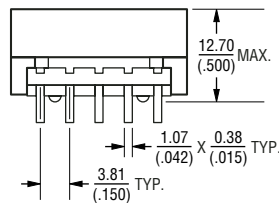
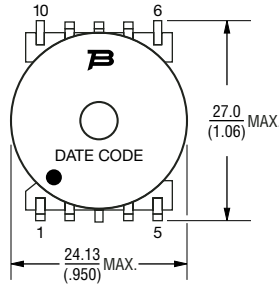
### Electrical Specifications @ 25 °C

Turns Ratio .....1 : 1 : 1 : 1 ±2 %  
 OCL Primary  
 1-5 with 2-4 shorted.....440 µH ±5 %  
 Leakage Inductance .....15 µH max.  
 Insertion Loss  
 @ 40 kHz - 2 MHz .....3 dB max.  
 DC Resistance  
 (1-4), (2-5).....0.16 Ω max.  
 (10-7), (9-6).....1.20 Ω max.  
 Isolation Voltage .....2000 Vrms max  
 THD Linearity @ 40 kHz.....-70 dB typ.

### Packaging Specifications

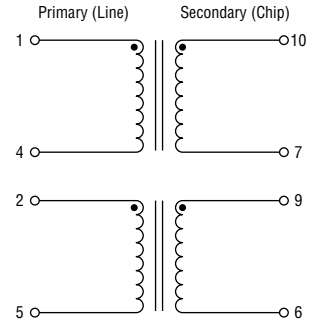
Tube .....35 pcs./tube

### Product Dimensions



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

### Electrical Schematic



### How to Order

Model **PT533-1**

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