



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

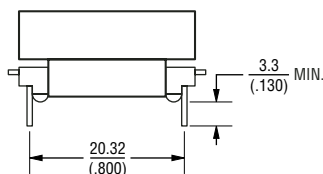
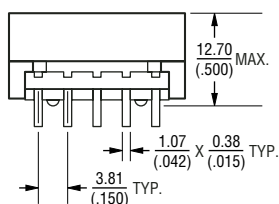
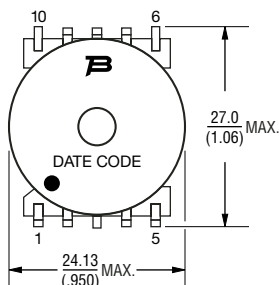
Electrical Specifications @ 25 °C

Turns Ratio1 : 1 : 1 : 1 ±2 %
 OCL Primary
 1-5 with 2-4 shorted.....440 µH ±5 %
 Leakage Inductance15 µH max.
 Insertion Loss
 @ 40 kHz - 2 MHz3 dB max.
 DC Resistance
 (1-4), (2-5).....0.16 Ω max.
 (10-7), (9-6).....1.20 Ω max.
 Isolation Voltage2000 Vrms max
 THD Linearity @ 40 kHz.....-70 dB typ.

Packaging Specifications

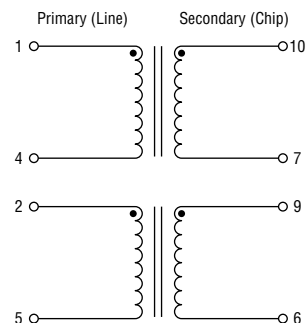
Tube35 pcs./tube

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)