

Features

- For use with Analog Device's AD20msp930 ADSL chipsets
- Excellent Total Harmonic Distortion (THD) performance
- Thru-hole package and small size
- Designed to meet UL1950 and EN60950 supplementary insulation requirements for operating voltages up to 250 Vrms

- Operating temperature -40 °C to +85 °C
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant*

Applications

- ADSL - Analog AD20msp930

PT563-1 & PT564-1 ADSL Line Transformers

Electrical Specifications @ 25 °C

Turns Ratio (1-4):(10-7)
 PT563-11:1.1 ±2 %
 PT564-11:1.2 ±2 %

OCL @ 10 kHz, 0.1 V
 (1-4) with (2-3) shorted
 PT563-11.75 mH min.
 PT564-11.75 mH min.
 (10-7) with (8-9) shorted
 PT563-12.03 mH min.
 PT564-12.42 mH min.

Leakage Inductance @ 100 kHz 0.1 V
 (1-4) with (2-3), (8-9), (10-7) shorted
7.5 µH max.

Longitudinal Balance
 10 kHz to 1.1 MHz50 dB min.

Insertion Loss @ 300 kHz
< 0.5 dB

Isolation Voltage1500 Vrms max.

DC Resistance
 (1-4)1.5 Ω max.
 (10-7)1.3 Ω max.

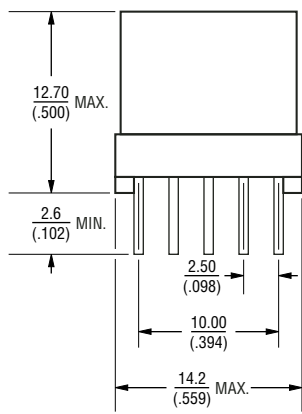
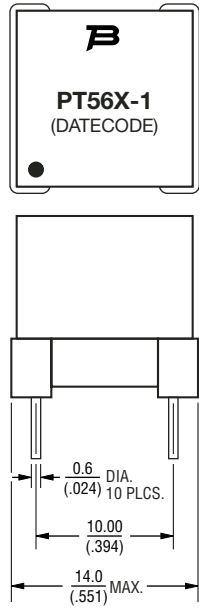
THD Linearity @ 30 kHz
-80 dB typ.

Application
 PT563-1CO
 PT564-1CPE

Packaging Specifications

Tray60 pcs./tray

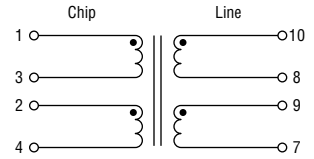
Product Dimensions



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

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

Electrical Schematic



How to Order

Model **PT56x-1**

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