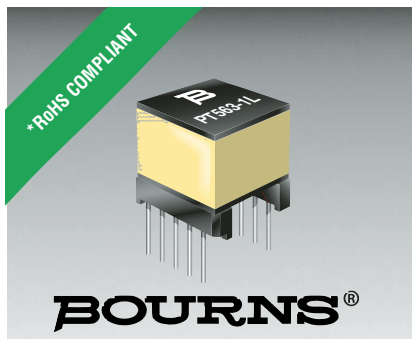




Features

- 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
- RoHS compliant*

Applications

- ADSL - Analog AD20msp930

PT563-1L & PT564-1L ADSL Line Transformers

Electrical Specifications @ 25 °C

Turns Ratio (1-4):(10-7)

PT563-1L 1:1.1 ±2 %

PT564-1L 1:1.2 ±2 %

OCL @ 10 kHz, 0.1 V

(1-4) with (2-3) shorted

PT563-1L 1.75 mH min.

PT564-1L 1.75 mH min.

(10-7) with (8-9) shorted

PT563-1L 2.03 mH min.

PT564-1L 2.42 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 MHz 50 dB min.

Insertion Loss @ 300 kHz

..... < 0.5 dB

Isolation Voltage 1500 Vrms max.

DC Resistance

(1-4) 1.5 Ω max.

(10-7) 1.3 Ω max.

THD Linearity @ 30 kHz

..... -80 dB typ.

Application

PT563-1L CO

PT564-1L CPE

Packaging Specifications

Tray 60 pcs./tray

How To Order

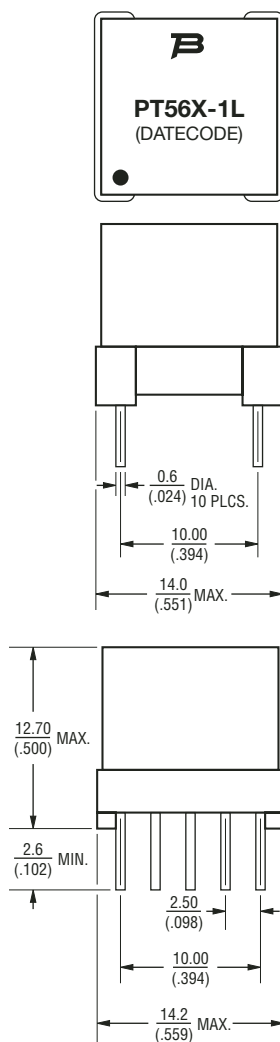
PT56x-1 L

Model _____

Termination _____

L = Tin only (lead free)

Product Dimensions



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

TOLERANCE ± $\frac{0.25}{(.010)}$

Electrical Schematic

