

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

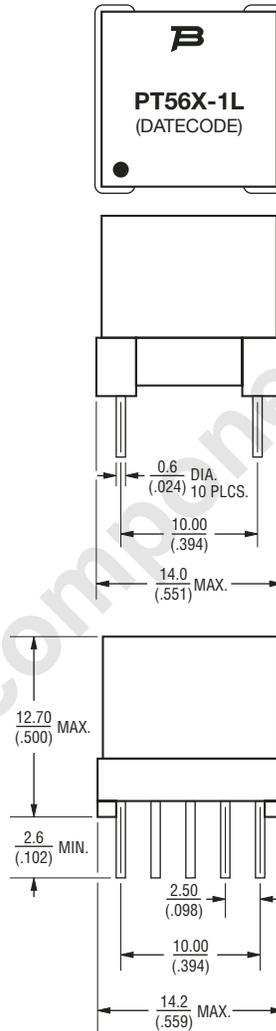
How To Order

Model PT56x-1 L

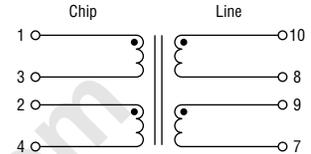
Termination _____

L = Tin only (lead free)

Product Dimensions



Electrical Schematic



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

TOLERANCE ± $\frac{0.25}{(0.010)}$