

### Features

- For use with Globespan 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
- RoHS compliant\*

### Applications

- ADSL - Alcatel MTK20140

## PT542-1L to SM547-1L ADSL & RADSL Transformers

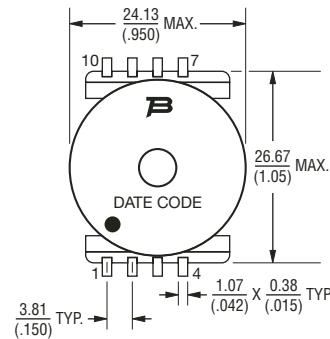
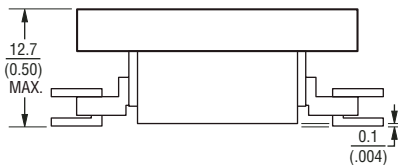
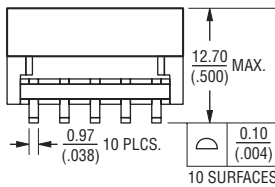
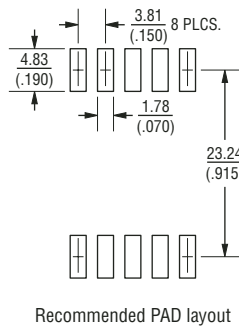
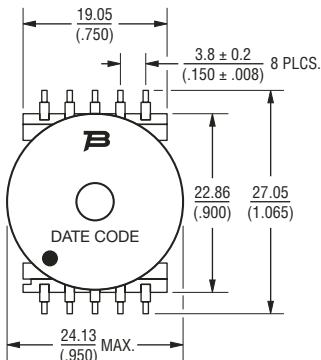
### Electrical Specifications @ 25 °C

Part Number	Turns Ratio Chip-Line (±2 %)	OCL Primary (1-4) with (2-3) shorted (µH ±10 %)	Leakage Inductance (µH max.)	DCR @ (1-3), (2-4), (10-8), (9-7) (Ω max.)	Isolation Voltage (Vrms)	Insertion Loss (dB max.)	Longitudinal Balance (dB typ.)	Package
PT542-1L	1.4:1.4:1:1	940	10	1.2	1500	3	62	THT
PT543-1L	1:1:1:1	410	10	0.8	1500	3	62	THT
PT544-1L	1.4:1.4:1:1	940	10	1.2	3000	3	62	THT
PT545-1L	1:1:1:1	410	10	0.8	3000	3	62	THT
SM546-1L	1.4:1.4:1:1	940	10	1.2	3000	3	62	SMT
SM547-1L	1:1:1:1	410	10	0.8	3000	3	62	SMT

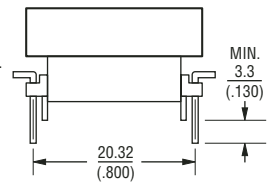
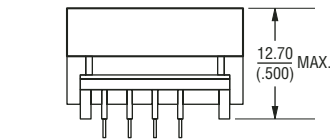
### Product Dimensions

SMT

THT



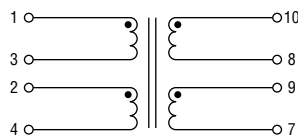
DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$   
TOLERANCE  $\pm \frac{0.25}{\text{(0.010)}}$



### Packaging Specifications

Tube.....35 pcs./tube

### Electrical Schematic



### How To Order

Model **PT54x-1 or SM54x-1 L**  
Termination \_\_\_\_\_  
L = Tin only (lead free)

REV. 09/08

\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex. Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications