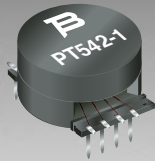


\*ROHS COMPLIANT  
VERSIONS  
AVAILABLE



**BOURNS®**

**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
- 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 - Globespan

**PT542-1 to SM547-1 ADSL & RADSL Transformers**

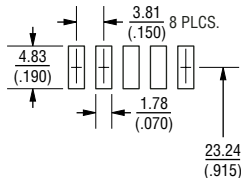
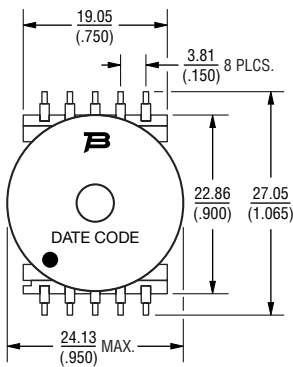
**Electrical Specifications @ 25 °C**

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
PT542-1	1.4:1.4:1:1	940	10	1.2	1500	3	62	THT
PT543-1	1:1:1:1	410	10	0.8	1500	3	62	THT
PT544-1	1.4:1.4:1:1	940	10	1.2	3000	3	62	THT
PT545-1	1:1:1:1	410	10	0.8	3000	3	62	THT
SM546-1	1.4:1.4:1:1	940	10	1.2	3000	3	62	SMT
SM547-1	1:1:1:1	410	10	0.8	3000	3	62	SMT

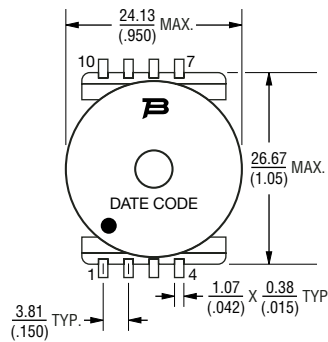
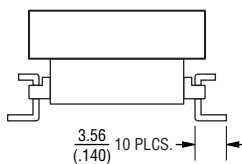
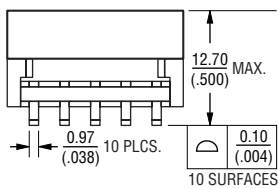
**Product Dimensions**

SMT

THT

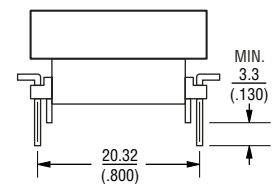
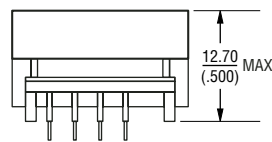


Recommended PAD layout



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

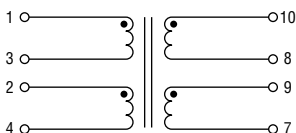
TOLERANCE:  $\pm \frac{0.25}{(.010)}$



**Packaging Specifications**

Tube .....35 pcs./tube

**Electrical Schematic**



**How to Order**

PT or SM5xx-1

Model \_\_\_\_\_  
 Termination \_\_\_\_\_  
 Blank = Tin-lead  
 L = Tin only (lead free)