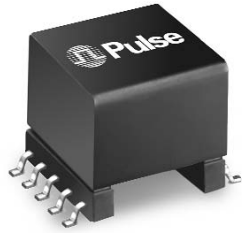


# ADSL LINE TRANSFORMER

## For Globespan G7000 ADSL Chipset



- Designed for Central Office (CO) and Customer Premise (CPE) applications
- Excellent THD performance in a small footprint
- Designed to meet UL1950 and EN60950 supplementary insulation requirements for working voltages up to 250Vrms

### Electrical Specifications @ 25°C — Operating Temperature -40°C to 85°C

Part Number	Mounting	Application	Turns Ratio (±2%)	OCL @ 10kHz, 0.1V		Leakage Inductance @ 100kHz, 0.1V (MAX)	Longitudinal Balance
				(1-5) with (2-4) shorted	(10-6) with (7-9) shorted		
B2201	SMT	CO	1:1.42	237µH ±10%	474µH ±10%	15µH (10-6) with 7-9, 1-4, 2-5 shorted	≤ -60dB (20kHz - 1MHz)

### Additional Specifications

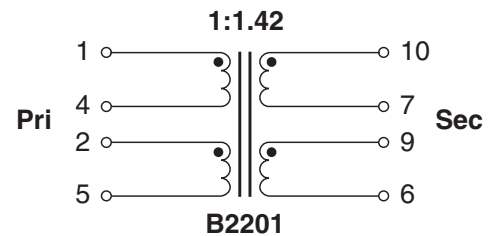
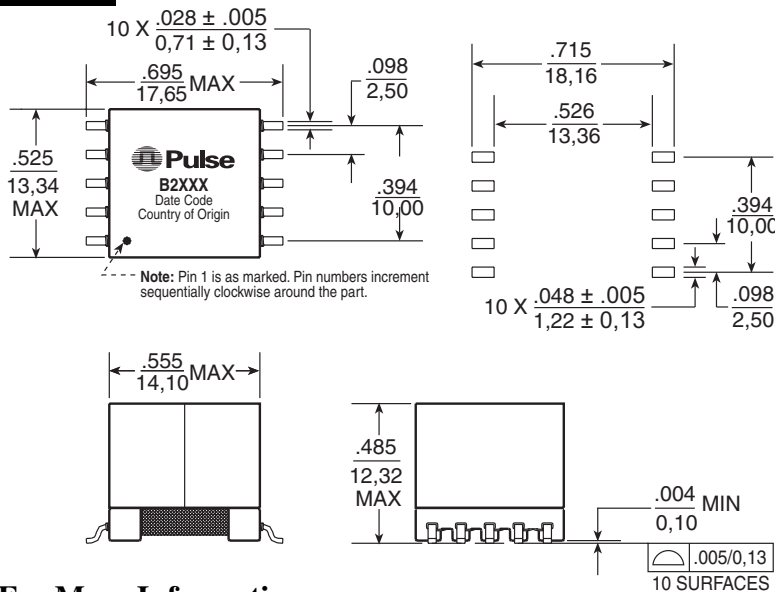
Part Number	THD Typical (Linearity)	DC Resistance (Ω - MAX)		Isolation Voltage (Vrms)	Insertion Loss (MAX)
		Line Side	Chip Side		
B2201	≤ 70dB @ 200kHz	≤ 2.0 (1-5) with 2-4 shorted	≤ 2.0 (10-6) with 7-9 shorted	2000	≤ 1.00dB @ 150kHz - 1.5MHz

NOTE: Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to this part number (B2201T)

## Mechanicals

## Schematic

### B2201



Weight ..... 6.2 grams  
 Tray ..... 60/tray  
 Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
 Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

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