

# 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 250 Vrms

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

Part Number	Mounting	Application	Turns Ratio (± 2%)	OCL @ 10 kHz, 0.1 V		Leakage Inductance @ 100 KHz, 0.1 V (MAX)	Longitudinal Balance
				(1-5) with (2-4) shorted	(10-6) with (7-9) shorted		
B2088	SMT	CPE	1:1	430 µH ±10%	430 µH ±10%	10 µH (1-5) with 2-4, 7-9, 10-6 shorted	≤ -40 dB (25 KHz - 1.1 MHz)
B2201	SMT	CO	1:1.42	237 µH ±10%	474 µH ±10%	15 µH (10-6) with 7-9, 1-4, 2-5 shorted	≤ -60 dB (20 KHz - 1 MHz)

### Additional Specifications

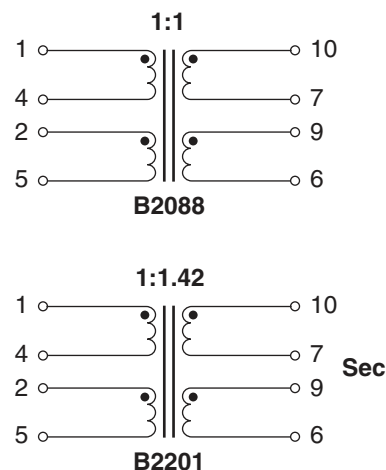
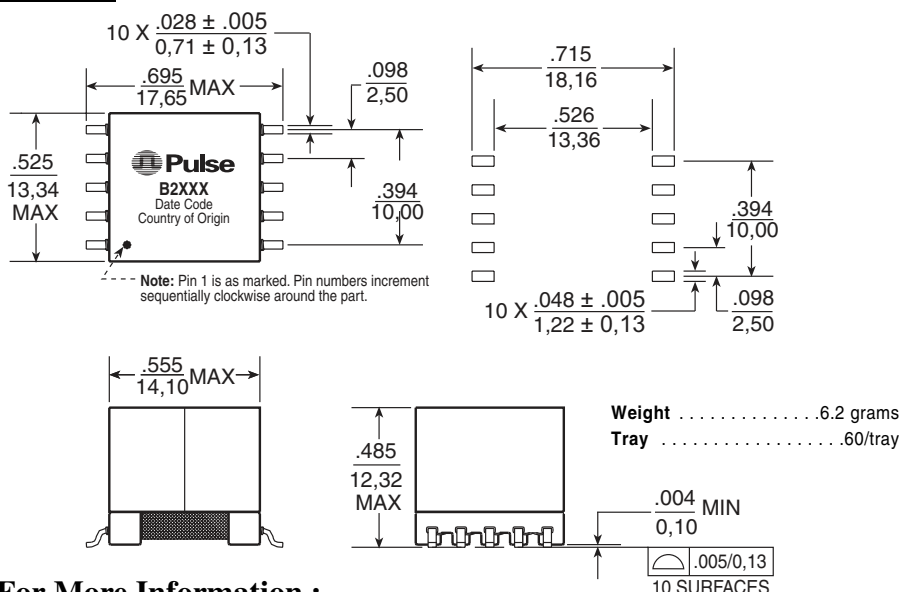
Part Number	THD Typical (Linearity)	DC Resistance (Ω - MAX)		Isolation Voltage (Vrms)	Insertion Loss (MAX)
		Line Side	Chip Side		
B2088	≤ 80 dB @ 100 kHz	≤ .45 (1-4) = (2-5)	≤ .35 (10-7) = (9-6)	1875	≤ 0.50 dB @ 772 kHz
B2201	≤ 70 dB @ 200 kHz	≤ 2.0 (1-5) with 2-4 shorted	≤ 2.0 (10-6) with 7-9 shorted	2000	≤ 1.00 dB @ 150 kHz - 1.5 MHz

NOTE: Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to this part number (B2088T)

### Mechanicals

### Schematic

#### B2XXX



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
 Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

### For More Information :

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