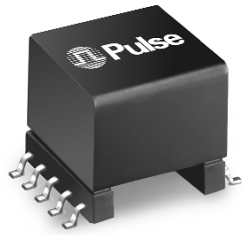


ADSL LINE TRANSFORMER

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 μ H ±10%	430 μ H ±10%	10 μ H (1-5) with 2-4, 7-9, 10-6 shorted	≤ -40 dB (25 KHz - 1.1 MHz)
B2201	SMT	CO	1:1.42	237 μ H ±10%	474 μ H ±10%	15 μ H (10-6) with 7-9, 1-4, 2-5 shorted	≤ -60 dB (20 KHz - 1 MHz)

Additional Specifications

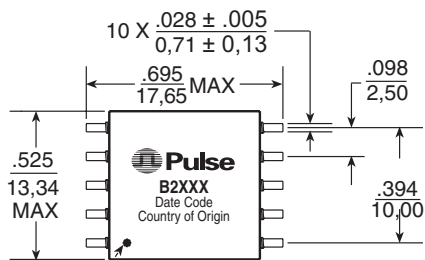
Part Number	THD Typical (Linearity)	DC Resistance (Ω - MAX)		Isolation Voltage (Vrms)	Insertion Loss (MAX)
		Line Side	Chip Side		
B2088	≤ 80 dB @ 100 kHz	≤ .45 (1-4) = (2-5)	≤ .35 (10-7) = (9-6)	1875	≤ 0.50 dB @ 772 kHz
B2201	≤ 70 dB @ 200 kHz	≤ 2.0 (1-5) with 2-4 shorted	≤ 2.0 (10-6) with 7-9 shorted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

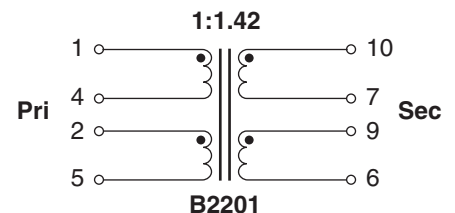
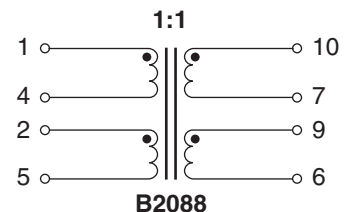
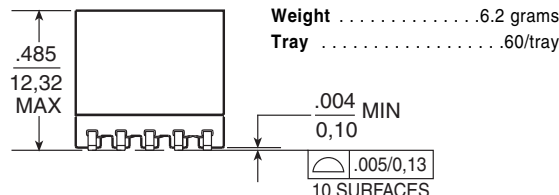
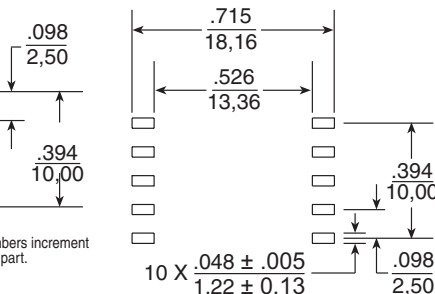
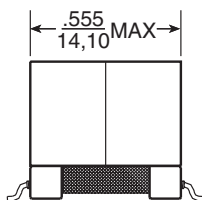
Mechanicals

Schematic

B2XXX



Note: Pin 1 is as marked. Pin numbers increment sequentially clockwise around the part.



Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified, all tolerances are $\pm \frac{.010}{.025}$

For More Information :

UNITED STATES

(Worldwide)
12220 World Trade Drive
San Diego, CA 92128
U.S.A.
<http://www.pulseeng.com>
TEL: 858 674 8100
FAX: 858 674 8262

UNITED KINGDOM

(Northern Europe)
1 & 2 Huxley Road
The Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

FRANCE

(Southern Europe)
Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

SINGAPORE

(Southern Asia)
150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 287 8998
FAX: 65 280 0080

TAIWAN, R.O.C.

(Northern Asia)
3F-4, No. 81, Sec. 1
HsinTai Wu Road
Hsi-Chih, Taipei Hsien
Taiwan, R.O.C.
Tel: 886 2 2698 0228
FAX: 886 2 2698 0948

DISTRIBUTOR

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.