

- Compatible with ADSL and ADSL over ISDN Central Office 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 (1-4):(10-7) (± 2%)	OCL @ 10 KHz, 0.1 V (1-4) with 2-3 shorted	Leakage Inductance @ 100 KHz, 0.1 V (MAX) (1-4) with 2-3, 8-9, 10-7 shorted	Longitudinal Balance (10 KHz - 1.1 MHz)
B2136	THT	ADSL	1:1.1	1.75 mH	7.5 µH	50 dB MIN
B2137 ²	SMT	ADSL	1:1.1	1.75 mH	7.5 µH	50 dB MIN
B2168 ²	SMT	ADSL/ISDN	1:1	100 µH	4.0 µH	46 dB MIN
B2188	THT	ADSL/ISDN	1:1	100 µH	4.0 µH	46 dB MIN

Additional Specifications

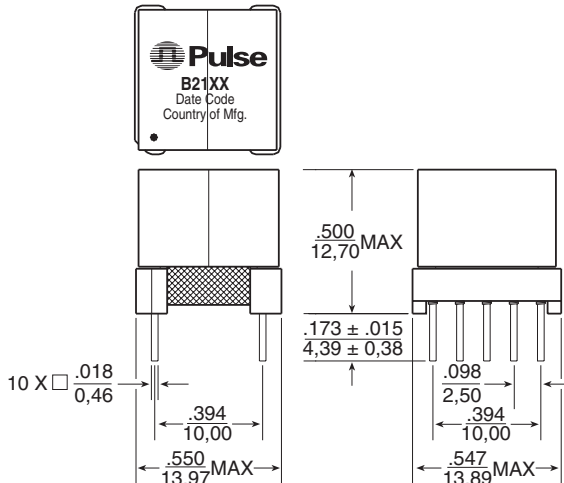
Part Number	THD Typical (Linearity)	DC Resistance (Ω - MAX)		Isolation Voltage (Vrms)	Insertion Loss ¹ (dB @ 300 KHz)
B2136	-80 dB @ 30 KHz	1.5 (1-4) with (2-3) short	1.3 (10-7) with (8-9) short	1500	<0.5
B2137 ²	-80 dB @ 30 KHz	1.5 (1-4) with (2-3) short	1.3 (10-7) with (8-9) short	1500	<0.5
B2168 ²	-80 dB @ 30 KHz	1.0 (1-4) = (2-3)	1.0 (10-8) = (9-7)	1500	<0.5
B2188	-80 dB @ 100 KHz	1.0 (1-4) = (2-3)	1.0 (10-8) = (9-7)	1500	<0.5

¹ Frequency Response: ± 1.0 dB MAX, from 30 KHz to 1.1 MHz.

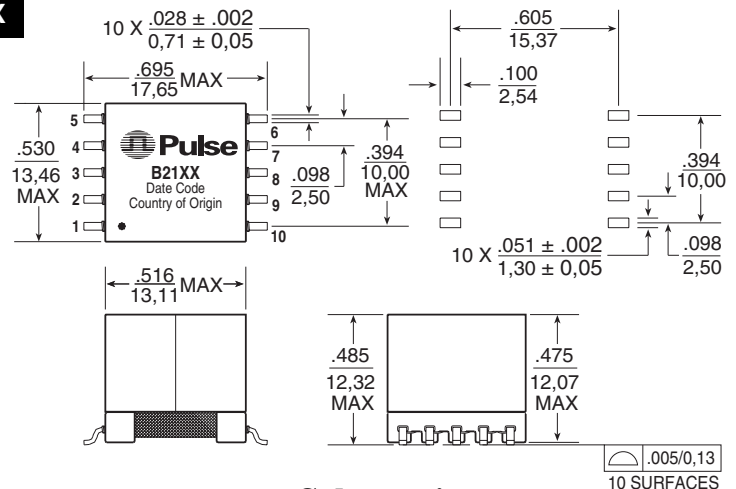
²Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to this part number (B2137T)

Mechanicals

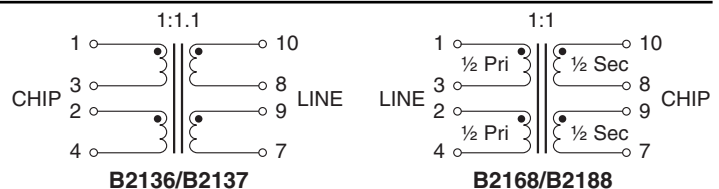
B21XX



B21XX



Schematics



Weight 6.2 grams

Tape & Reel 150/reel

Tray60/tray (SMT) 65/tray (THT)

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

For More Information :

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12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	1 & 2 Huxley Road The Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701	Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 287 8998 FAX: 65 280 0080	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	19/F, China United Plaza 1008 Tai Nan West Street Cheung Sha Wan, Kowloon Hong Kong, China TEL: 852 2788 6588 FAX: 852 2776 1055	

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PRELIMINARY B955.P (1/02)