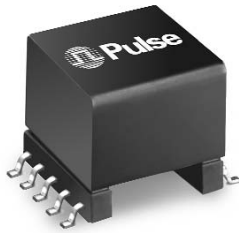


ADSL LINE TRANSFORMERS

For Use With Centillium Chipsets



- For use with Centillium's CopperFlite™ CT-L50SC04/CT-L50ST81 and CopperLite™ CT-L21SC08/CT-L41SC04 chipsets
- Excellent THD performance
- Small footprint

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

Part Number	Mounting	Matched to Chipset Number	Application	Turns Ratio (± 2%) (line - chip)	OCL (± 10%) (1-4) with (2-3) short	Leakage Inductance @ 100 KhZ, 0.1 V (1-4) with (2-3), (7-10) and (8-9) short
B2178	SMT	CT-L21SC08/CT-L41SC04	CO	1:1	450 µH @ 10 KhZ, 0.1 V	5.0 µH MAX
B2189	SMT	CT-L50SC04/CT-L50ST81	CO/CPE	1.8:1	450 µH @ 30 KhZ, 0.1 V	7.0 µH MAX

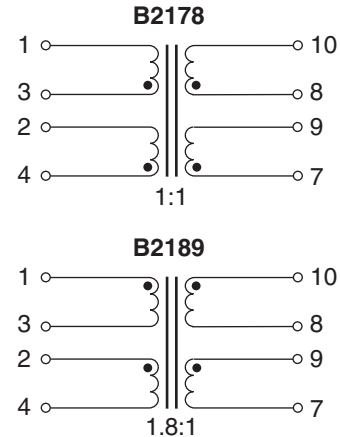
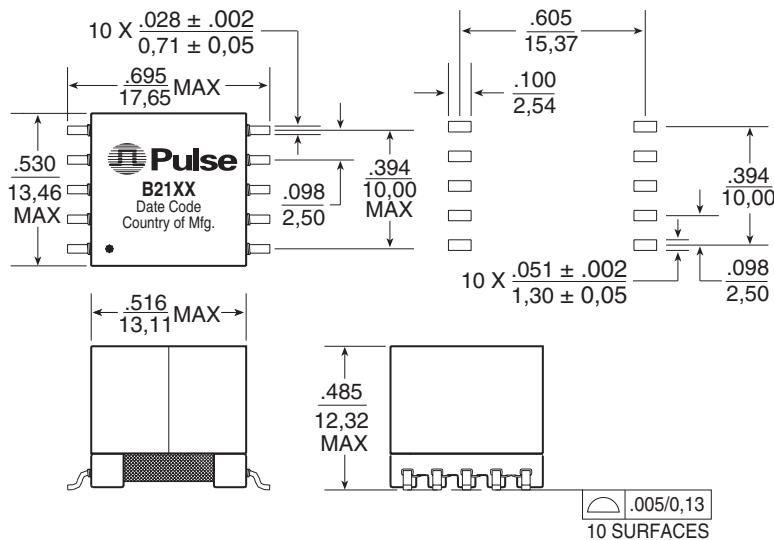
Additional Electrical Specifications

Part Number	THD (Linearity TYP - 10 kHz, 3.0 Vrms)	DC Resistance		Isolation Voltage (Vrms)	Longitudinal Balance (from 10 kHz to 1.1 MHz)
		Line Side (1-4) with (2-3) short	Chip Side (10-7) with (9-8) short		
B2178	≤ -67 dB	≤ 1.3 Ω MAX	≤ 1.3 Ω MAX	1500	≤ -50 dB
B2189	≤ -67 dB	≤ 1.3 Ω MAX	≤ 0.9 Ω MAX	1500	≤ -50 dB

NOTE: Transformers are shipped in trays unless Tape & Reel packaging is specified by adding the suffix "T" to the part number (i.e. B2178T).

Mechanical

Schematics



Weight 6.2 grams
 Tray60/tray

Dimensions: Inches
mm
 Unless otherwise specified,
 all tolerances are ± .010
0,25

For More Information :

UNITED STATES (Worldwide)	UNITED KINGDOM (Northern Europe)	FRANCE (Southern Europe)	SINGAPORE (Southern Asia)	TAIWAN, R.O.C. (Northern Asia)	HONG KONG (China/Hong Kong)	DISTRIBUTOR
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 6287 8998 FAX: 65 6280 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	9/F, Phase 2, Tai Sang Shatin Warehouse Centre 6 Wong Chuk Yeung Street Fotan, Shatin, Hong Kong TEL: 852 2788 6588 FAX: 852 2776 1055	

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.