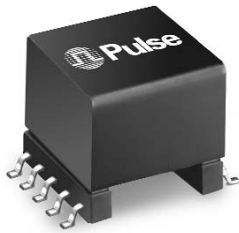


# ADSL LINE TRANSFORMERS

## For Centillium ADSL CPE Chipsets



- Matched to Centillium's CopperFlite™ CT-L51ST81, Flite Optimizer™ CT-L52SU81, and Universal CopperFlite™ CT-L61ST81 chipsets
- 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	Turns Ratio (± 2%)	Inductance @ 10 kHz, 100 mV	Leakage Inductance @ 100 kHz, 0.1 Vrms
BX2353	SMT	1CS:2.125CS (1-4) : (7-10) with (2-3) & (8-9) Shorted	5.0 mH ± 10% (7-10) with (8-9) Shorted	13 µH Max. (7-10) with (1-4), (2-3), & (8-9) Shorted
BX2358	SMT	1CS:1CS (1-4) : (7-10) with (2-3) & (8-9) Shorted	5.0 mH ± 10% (7-10) with (8-9) Shorted	15 µH Max. (7-10) with (1-4), (2-3), & (8-9) Shorted

### Additional Electrical Specifications

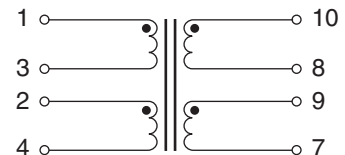
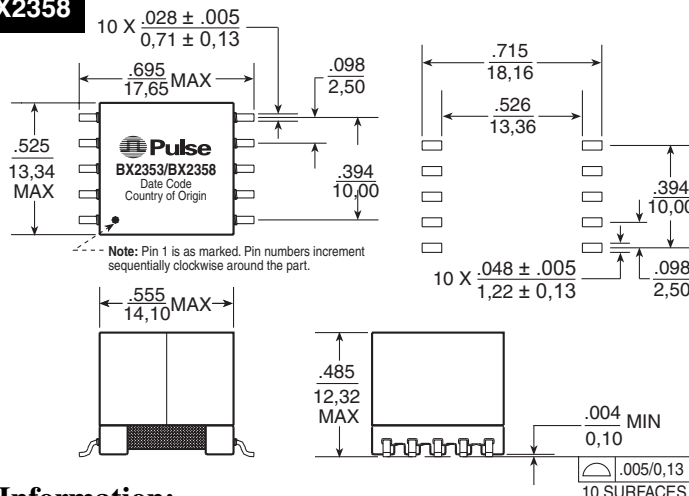
Part Number	Longitudinal Balance (from 30 kHz to 1.1 MHz)	THD at 100 Ω (@ 30 kHz, 2.5 Vrms)	DC Resistance		Isolation Voltage (1 sec)
BX2353	≤ -40 dB	≤ -85 dB	0.35 Ω MAX (1-3) 0.40 Ω MAX (2-4)	1.75 Ω MAX (7-9) = (8-10)	1,875 Vrms
BX2358	≤ -40 dB	≤ -85 dB	1.0 Ω MAX (1-3) 1.3 Ω MAX (2-4)	1.1 Ω MAX (7-9) = (8-10)	1,875 Vrms

**NOTE:** Transformers are shipped in trays unless Tape & Reel packaging is specified by adding the suffix "T" to the part number (i.e. BX2353T).

### Mechanical

### Schematic

#### BX2353/BX2358



Weight ..... .6.2 grams  
Tape & Reel ..... .150/reel  
Tray ..... .60/tray  
Dimensions: Inches  
mm  
Unless otherwise specified, all tolerances are ± .010 / 0,25

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