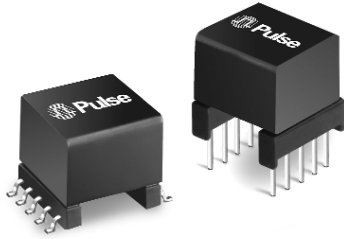


ADSL LINE TRANSFORMERS

For Centillium's CopperFlite™ 8-Port CO Chipsets



- Matched to Centillium's CopperFlite™ CT-L53SC08, CT-L63SC08, and CT-L73SC08 chipsets
- Excellent THD performance in a small footprint
- Designed to meet UL 1950 and EN 60950 supplementary insulation requirements for working voltages up to 250Vrms

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

Part Number	Mounting	ADSL CO Termination	Turns Ratio (Chip:Line) (±2%)	Inductance (@ 100mV)	Leakage Inductance (@ 100kHz, 0.1Vrms)
BX2347	THT	Active	1CS:1CS	850µH ±7% @ 30kHz (1-4) with (2-3) shorted	5.5µH MAX (1-4) with (2-3), (7-10) and (8-9) shorted
BX2348 ¹	SMT				
BX2349 ¹	SMT				
BX2380	THT	Passive	1CS:1.8CS		

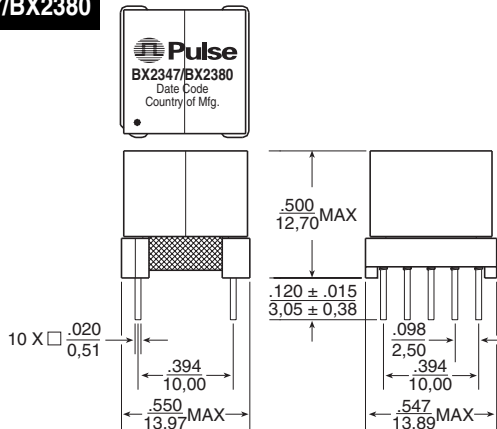
Additional Specifications

Part Number	THD (dB @ 100Ω)	Longitudinal Balance (dB)	DC Resistance		Isolation Voltage
BX2347	≤-80 (@ 40kHz, 2.5Vrms)	≤-50 (@ 10kHz, 1.1Vrms)	≤1.40Ω (1-4) with (2-3) shorted	≤1.40Ω (7-10) with (8-9) shorted	1500Vrms (60 sec)
BX2348 ¹			≤1.30Ω (1-4) with (2-3) shorted	≤0.75Ω (7-10) with (8-9) shorted	
BX2349 ¹					
BX2380					

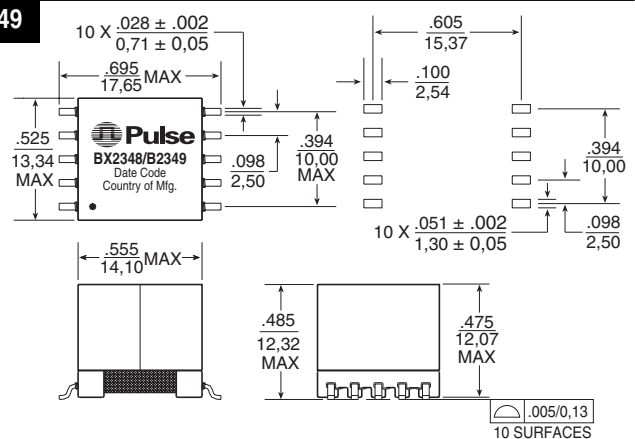
¹Transformers are shipped in tubes unless tape and reel is specified. Please add the suffix "T" (i.e. BX2348T) for tape and reel orders.

Mechanicals

BX2347/BX2380



BX2348/BX2349



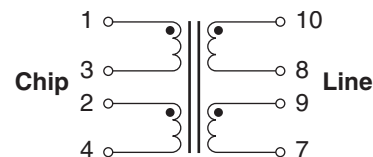
BX2347/BX2380 BX2348/BX2349

Weight6.2 grams6.2 grams
Tape & ReelN/A150/reel
Tray/Tube65/tray60/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are ± $\frac{.010}{.25}$

Schematic



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