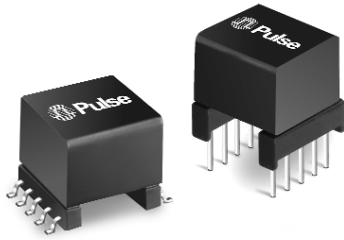


ADSL LINE TRANSFORMERS

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 250 Vrms

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

Part Number	Mounting	ADSL CO Termination	Turns Ratio (Chip:Line) (±2%)	Inductance (@ 100 mV)	Leakage Inductance (@ 100 kHz, 0.1 Vrms)
BX2347	THT	Active	1CS:1CS	850 µH ±7% @ 30 kHz (1-4) with (2-3) shorted	5.5 µH MAX (1-4) with (2-3), (7-10) and (8-9) shorted
BX2348 ¹	SMT				
BX2349 ¹	SMT				
BX2380	THT	Passive	1CS:1.8CS		
B2420 ¹	SMT	Used with SELP feature (Single Ended Line Probing) Active Termination Only	1CS:1CS	6 mH ±8% @ 10 kHz (1-5) with (2-4) shorted	18.0 µH MAX – (1-5) with (2-4), (7-10), and (6-9) shorted

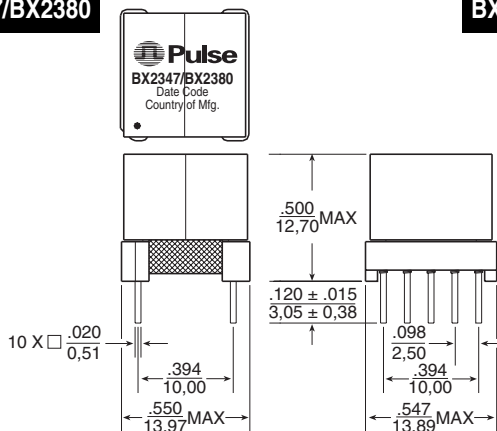
Additional Specifications

Part Number	THD (dB @ 100 Ω)	Longitudinal Balance (dB)	DC Resistance		Isolation Voltage
BX2347	≤-80 (@ 40 kHz, 2.5 Vrms)	≤-50 (@ 10 kHz, 1.1 Vrms)	≤1.40 Ω (1-4) with (2-3) shorted	≤1.40 Ω (7-10) with (8-9) shorted	1500 Vrms (60 sec)
BX2348 ¹			≤1.30 Ω (1-4) with (2-3) shorted	≤0.75 Ω (7-10) with (8-9) shorted	
BX2349 ¹			≤3.5 Ω (1-5) with (2-4) shorted	≤3.5 Ω (6-10) with (7-9) shorted	
BX2380					
B2420 ¹	≤-80 (@ 25 kHz, 3.5 Vrms)	≤-60 (@ 100 kHz)			

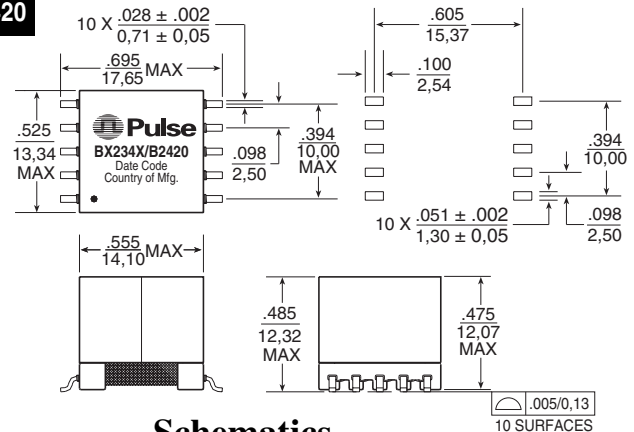
¹Transformers are shipped in tubes unless tape and reel is specified. Please add the suffix "T" (i.e. BX2348T) for tape and reel orders.

Mechanicals

BX2347/BX2380



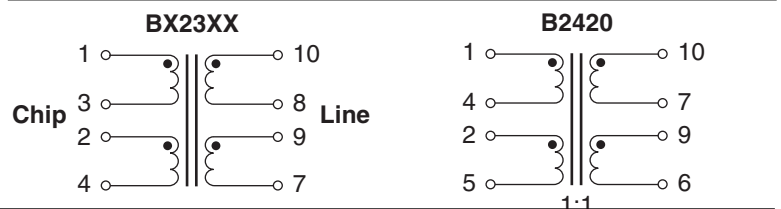
BX2348/BX2349/B2420



BX2347/BX2380 BX23XX/B2420

Weight6.2 grams6.2 grams
Tape & ReelN/A150/reel
Tray/Tube65/tray60/tray
Dimensions: Inches
mm
Unless otherwise specified, all tolerances are ± $\frac{.010}{0.25}$

Schematics



For More Information :

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PRELIMINARY B994.P (2/02)