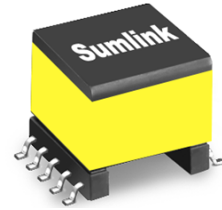


ADSL LINE TRANSFORMERS

FEATURES

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



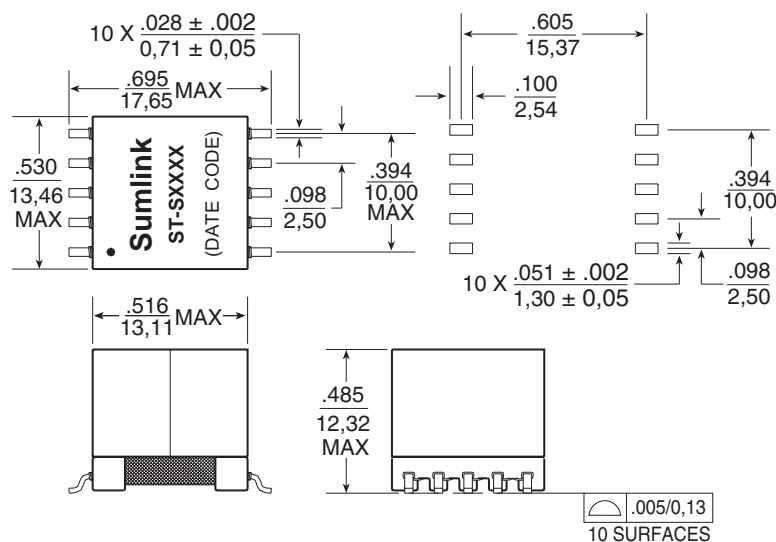
Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

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
ST-S2178	SMT	CT-L21SC08/CT-L41SC04	CO	1:1	450 µH @ 10 KhZ, 0.1 V	5.0 µH MAX
ST-S2189	SMT	CT-L50SC04/CT-L50ST81	CO/CPE	1.8:1	450 µH @ 30 KhZ, 0.1 V	7.0 µH MAX

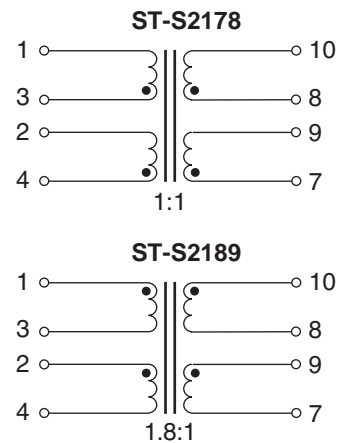
Additional Electrical Specifications

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		
ST-S2178	≤ -67 dB	≤ 1.3 Ω MAX	≤ 1.3 Ω MAX	1500	≤ -50 dB
ST-S2189	≤ -67 dB	≤ 1.3 Ω MAX	≤ 0.9 Ω MAX	1500	≤ -50 dB

Mechanical



Schematics



Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{0,25}$