

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



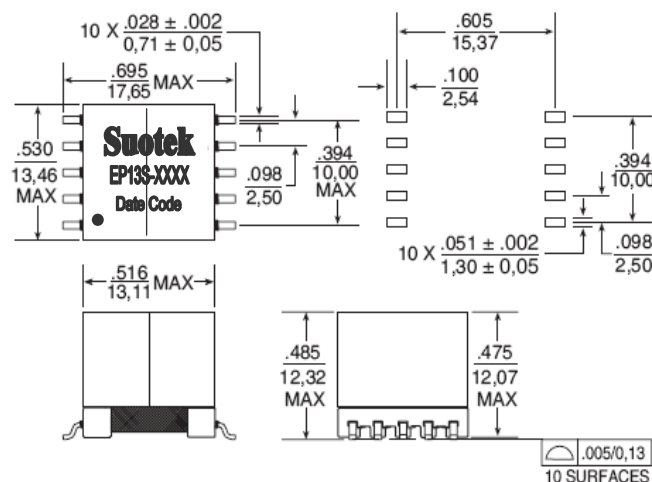
Electrical Specifications @ 25°C --- Operating temperature -40°C To 85°C .

Part No.	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
EP13S-2178	CT-L21SC08/CT-L41SC04	CO	1:1	450 μ H @ 10 KHz, 0.1 V	5.0 μ H MAX
EP13S-2189	CT-L50SC04/CT-L50ST81	CO/CPE	1.8:1	450 μ H @ 30 KHz, 0.1 V	7.0 μ H MAX

Electrical Specifications

Part No.	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		
EP13S-2178	≤ -67 dB	≤ 1.3 Ω MAX	≤ 1.3 Ω MAX	1500	≤ -50 dB
EP13S-2189	≤ -67 dB	≤ 1.3 Ω MAX	≤ 0.9 Ω MAX	1500	≤ -50 dB

Mechanical Dimensions

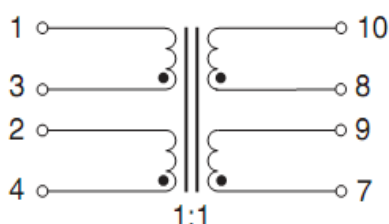


Dimensions: $\frac{\text{Inches}}{\text{mm}}$

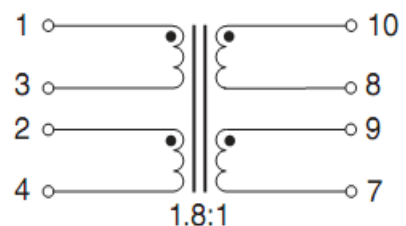
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

Schematics

EP13S-2178



EP13S-2189



SUOTEK ELECTRONICS COMPANY LIMITED

Tel: 86-769-86318023 Fax : 86-769-86318022 Website: www.suotek.com E-mail: sales@suotek.com

DSL Transformer005