

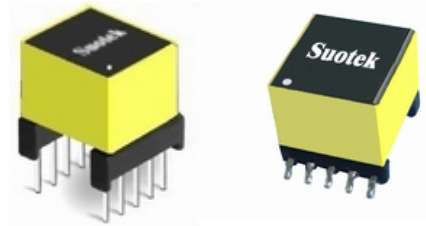
ADSL LINE TRANSFORMERS



Recommended by Analog Devices for use with their
AD20msp910/AD20msp918 ADSL Chipsets

Excellent THD performance in a small footprint

Approved to UL1950 and EN60950 supplementary insulation
requirements for working voltages up to 250Vrms



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

Part No.	Mounting	Turns Ratio (±2%)	OCL @ 10kHz, 0.1V (mH ±10%)		Leakage Inductance @ 100kHz, 0.1V (MAX) (1-4) with 2-3, 8-9, 10-7 shorted	Longitudinal Balance (25kHz - 1.1MHz)
			(1-4) w/2-3 shorted	(10-7) w/8-9 shorted		
EP13T-2031	THT	1:1	5.0	5.0	18.0μH	40dB MIN
EP13S-2032	SMT	1:1	5.0	5.0	18.0μH	40dB MIN

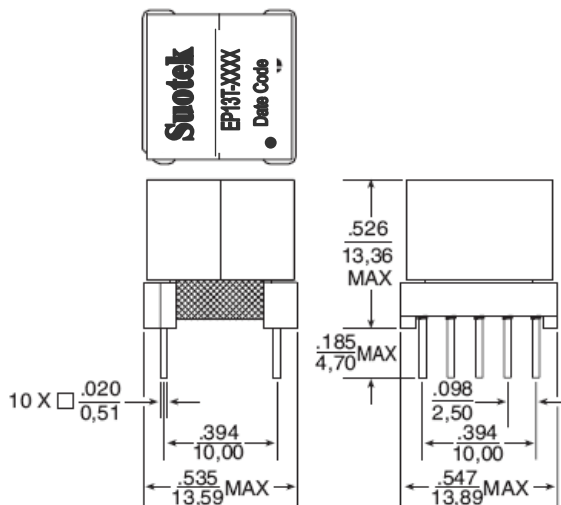
Electrical Specifications

Part No.	THD (Linearity)	Load Resistance (Ω)	DC Resistance (1-4), (10-7)	Isolation Voltage (Vrms)	Insertion Loss ¹ (dB @ 100kHz)
EP13T-2031	-80dB @ 30kHz	100	3Ω MAX	1500	<0.5
EP13S-2032	-60dB @ 300kHz	100	3Ω MAX	1500	<0.5

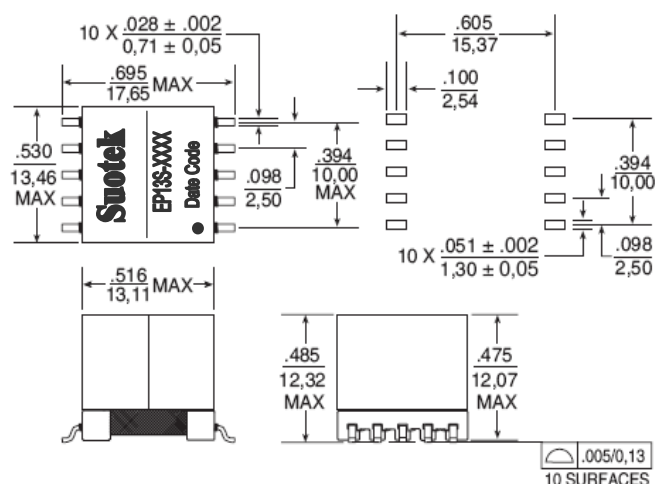
Frequency Response: ± 1.0 dB MAX, from 30 kHz to 1.1 MHz.

Mechanical Dimensions

EP13T-2031



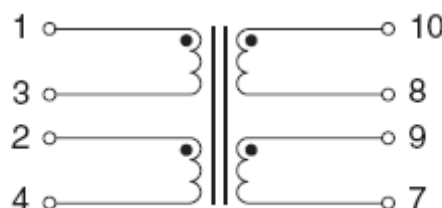
EP13S-2032



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

Unless otherwise specified, all tolerances are ± $\frac{.010}{0,25}$

Schematics



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DSL Transformer004