

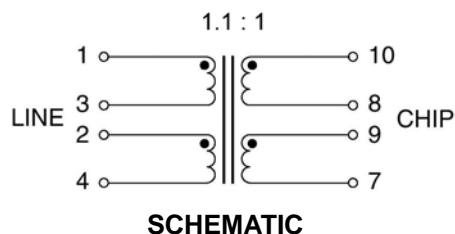
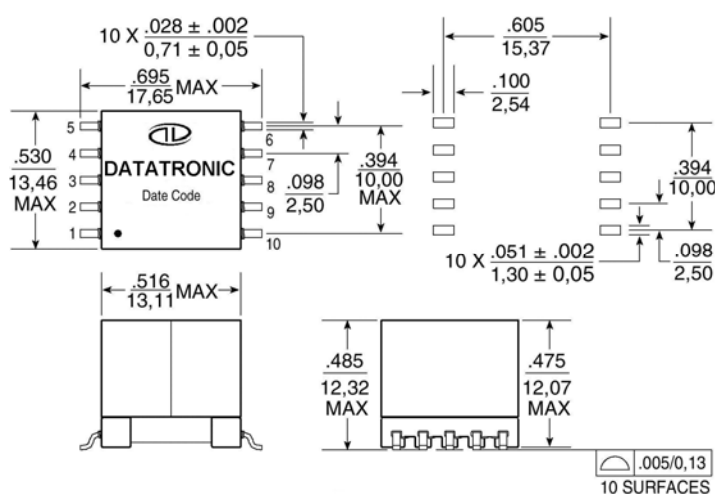
SM537-1 ADSL Line Transformers

Features

- For use with Analog Devices AD20msp930 ADSL Chipset (Central Office)
- Excellent Total Harmonic Distortion (THD) Performance
- SMT and Small size package
- Designed to meet UL1950 and EN60950 supplementary insulation requirements for voltages up to 250 Vrms maximum

ELECTRICAL SPECIFICATIONS AT 25°C:
OPERATING TEMP: -40°C to +85°C

TURNS RATIO (10-7):(1-4) OCL @10kHz, 0.1V (1-4) WITH (2-3) SHORTED (10-7) WITH (8-9) SHORTED LEAKAGE INDUCTANCE @100kHz 0.1V (10-7) WITH (2-3), (1-4), (8-9) SHORTED LONGITUDINAL BALANCE 10kHz TO 1.1MHz INSERTION LOSS @300kHz ISOLATION VOLTAGE (MAX) LOAD RESISTANCE DC RESISTANCE (1-4) WITH (2-3) SHORTED (10-7) WITH (8-9) SHORTED THD LINEARITY @30kHz APPLICATION	1 : 1.1±2% 2.03mH MIN 1.75mH MIN 7.5µH MAX 50dB MIN <0.5dB 1500 Vrms 100Ω 1.30Ω MAX 1.50Ω MAX -80dB TYP CO
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OUTLINE DIMENSIONS

NOTES:

1. Dimensions are shown in inches/millimeters
Unless otherwise specified, tolerance
= Inches: $\pm 0,010$
= Millimeters: $\pm 0,25$
2. For non-RoHS parts replace SM prefix with 42-
(e.g. SM537-1 becomes 42-537-1)
3. Terminal finish is compliant to RoHS
requirements. Solder in accordance with
J-STD-020C.

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All specifications are subject to change without notice.