

Features

- For use with Analog Device's AD20msp930 ADSL chipset (CO)
- Excellent Total Harmonic Distortion (THD) performance
- SMT and small size package
- Designed to meet UL1950 and EN60950 supplementary insulation requirements for operating voltages up to 250 Vrms

- Operating temperature -40 °C to +85 °C
- RoHS compliant*

Applications

- ADSL - Analog AD20msp930

SM537-1L ADSL Line Transformers

Electrical Specifications @ 25 °C

Turns Ratio
 (10-7):(1-4)..... 1:1.1 ±2 %
 OCL @ 10 kHz, 0.1V
 (1-4) with (2-3) shorted.. 2.03 mH min.
 (10-7) with (8-9) shorted ...1.75 mH min.
 Leakage Inductance @ 100 kHz 0.1 V
 (10-7) with (2-3), (1-4), (8-9) shorted
 7.5 µH max.
 Longitudinal Balance
 10 kHz to 1.1 MHz 50 dB min.
 Insertion Loss @ 300 kHz <0.5 dB
 Isolation Voltage 1500 Vrms max.
 Load Resistance..... 100 W
 DC Resistance
 (1-4) with (2-3) shorted.... 1.30 W max.
 (10-7) with (8-9) shorted.. 1.50 W max.
 THD Linearity @ 30 kHz..... -80 dB typ.
 Application CO

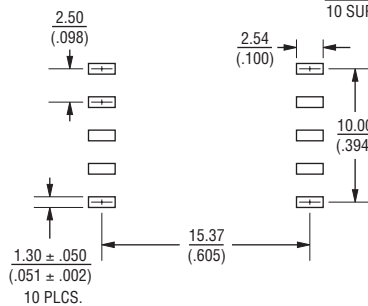
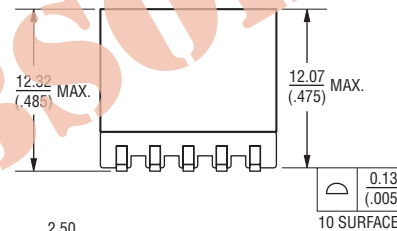
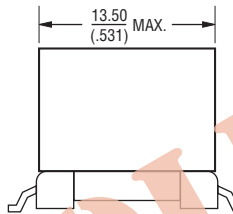
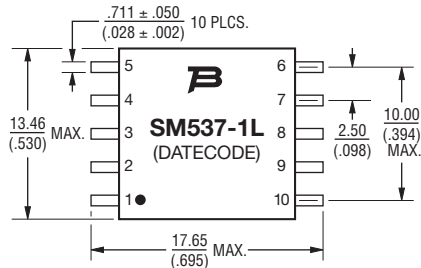
Packaging Specifications

Tape & Reel* 200 pcs./reel
 **"E" suffix before "L" in part number designates tape & reel packaging, e.g. SM537-1EL.

How To Order

Model SM537-1E L
 Termination _____
 L = Tin only (RoHS Compliant)

Product Dimensions



Recommended PAD layout

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCE $\pm \frac{0.25}{(.010)}$

Electrical Schematic

