

Features

- For use with Globespan G7000 ADSL chipset in customer premise applications
- Excellent Total Harmonic Distortion (THD) Performance
- SMT and small size package
- Operating temperature -40 °C to +85 °C



This series is Sd M\&R_U not recommended for new designs.

- Designed to meet UL1950 and EN60950 supplementary insulation requirements for operating voltages up to 250 Vrms
- RoHS compliant*

SM536-1EL ADSL Line Transformers

Electrical Specifications @ 25 °C

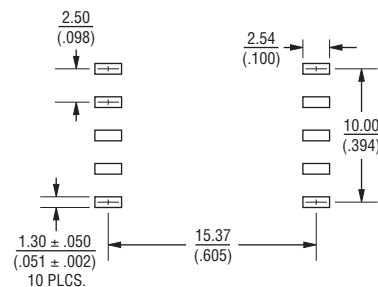
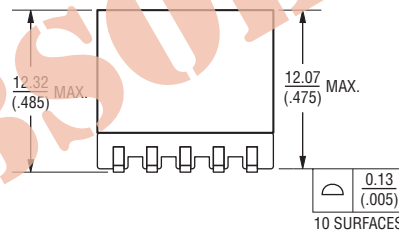
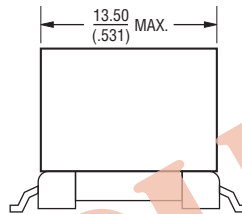
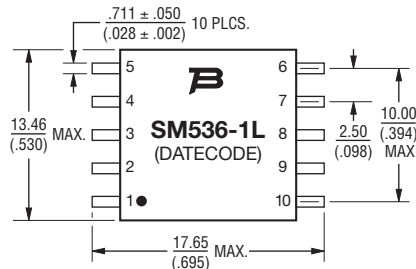
Turns Ratio	1:1 $\pm 2\%$
OCL @ 10 kHz, 0.1 V (1-5) with (2-4) shorted	430 $\mu\text{H} \pm 10\%$
(10-6) with (9-7) shorted	430 $\mu\text{H} \pm 10\%$
Leakage Inductance @ 100 kHz 0.1 V (1-5) with (2-4), (7-9), (10-6) shorted	10.0 μH max.
Longitudinal Balance 25 kHz to 1.1 MHz.....	40 dB min.
Insertion Loss @ 772 kHz	< 0.5 dB
Isolation Voltage	1875 Vrms max.
Load Resistance.....	100 Ω
DC Resistance	
(1-4) = (2-5).....	0.45 Ω max.
(10-7) = (9-6).....	0.35 Ω max.
THD Linearity @ 100 kHz.....	-80 dB typ.

Packaging Specifications

Tape & Reel*.....	200 pcs./reel
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**"E" suffix at end of part number designates tape & reel packaging, e.g. SM536-1EL.

Product Dimensions

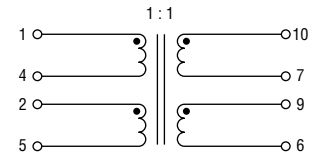


Recommended PAD layout

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

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

Electrical Schematic



How To Order

Model **SM536-1E L**
Termination
L = Tin only (RoHS Compliant)