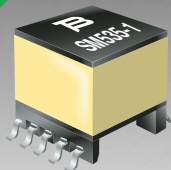


*RoHS COMPLIANT
VERSIONS
AVAILABLE



BOURNS®

Features

- For use with Texas Instruments' TNET D 4000 C/P chipset
- Excellent Total Harmonic Distortion (THD) Performance
- SMT and small size package
- Designed to meet IEC1950
- Operating temperature -40 °C to +85 °C

- Designed to meet UL1950 and EN60950 supplementary insulation requirements for operating voltages up to 250 Vrms
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant*

Applications

- ADSL - TI TNET D4000 C/P

SM535-1 ADSL Line Transformers

Electrical Specifications @ 25 °C

Turns Ratio

(10-7):(1-4) chip to line1:1.95 ±2 %
OCL @ 10 kHz, 0.1V

(1-4)1.5 mH ±10 %
Leakage Inductance @ 10 kHz 0.1 V

(1-4) with (10-7) shorted..12.0 µH max.

Interwinding Capacitance

@ 10 kHz, 0.1 V (1-10)35 pF max.

Isolation Voltage1500 Vrms max.

DC Resistance2.0 Ω max.

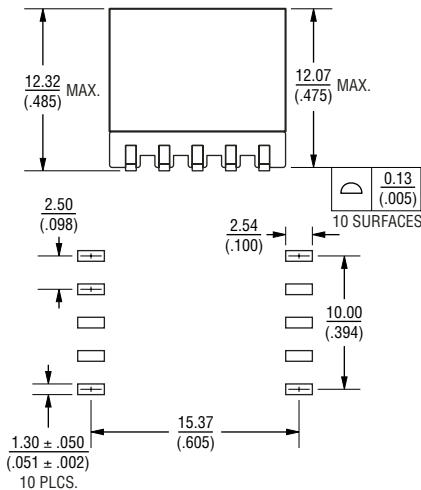
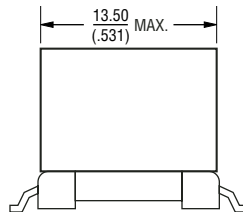
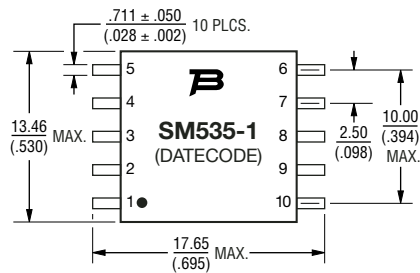
ApplicationCO

Packaging Specifications

Tape & Reel*200 pcs./reel

**"E" suffix at end of part number
designates tape & reel packaging, e.g.
SM535-1E.

Product Dimensions

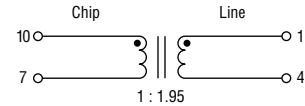


Recommended PAD layout

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

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

Electrical Schematic



How to Order

SM535-1E

Model _____

Termination _____

Blank = Tin-lead

L = Tin only (lead free)