

## 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 line .....1:1.95 ±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 Voltage .....1500 Vrms max.

DC Resistance .....2.0 Ω max.

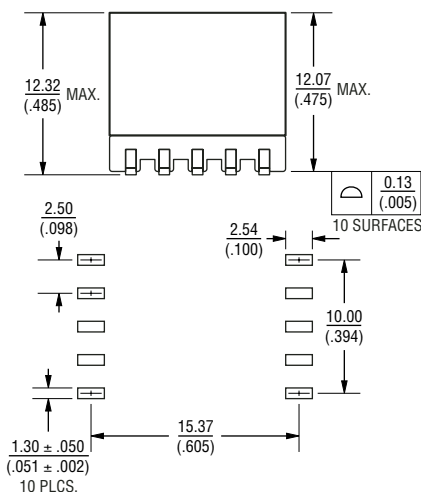
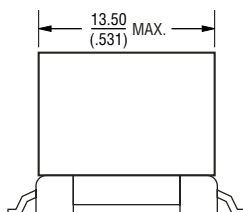
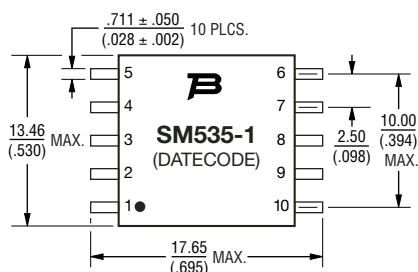
Application .....CO

## Packaging Specifications

Tape & Reel\* .....200 pcs./reel

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

## Product Dimensions

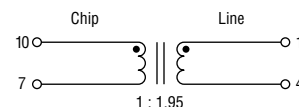


Recommended PAD layout

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

TOLERANCE: ±  $\frac{0.25}{(.010)}$

## Electrical Schematic



## How to Order

**SM535-1E**

Model \_\_\_\_\_

Termination \_\_\_\_\_

Blank = Tin-lead  
 L = Tin only (lead free)