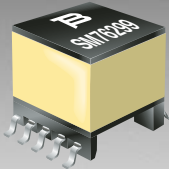


\*RoHS COMPLIANT  
VERSIONS  
AVAILABLE



**BOURNS®**

## Features

- 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

- To be used with the Globespan SHDSL chipset

# SM76299 - SHDSL Line Transformer

## Electrical Specifications @ 25 °C

### Turns Ratio

(1-5 Tie 4+2):(9-7).....4CS:1 ±1 %

Polarity .....1, 2, 9 same phase

HIPOT (1-4, 2-5 to 9-7) .....1875 VAC

### DCR

(1-4).....1.45 Ω ±10 %

(2-5).....1.45 Ω ±10 %

(9-7).....0.45 Ω ±10 %

### OCL (1-5 Tie 4+2)

.....2.07 mH ±4 % @ 10 kHz 100 mV

.....2.07 mH ±4 % @ 10 kHz 100 mV,  
100 mADC

### L<sub>L</sub> (1-5 Tie 4+2) short (9-7)

.....15 μH max. @ 100 kHz 100 mV

### Cs (1-9 Tie 4+2)

.....65 pF max. @ 100 kHz 100 mV

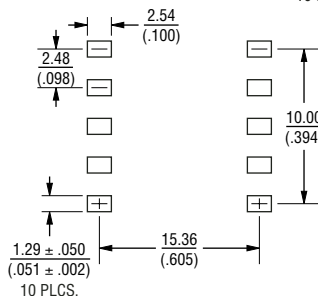
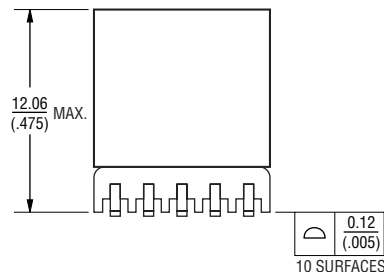
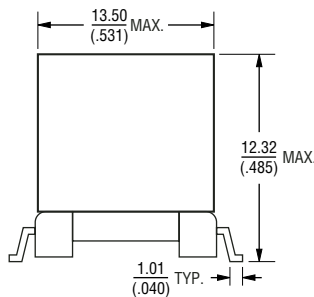
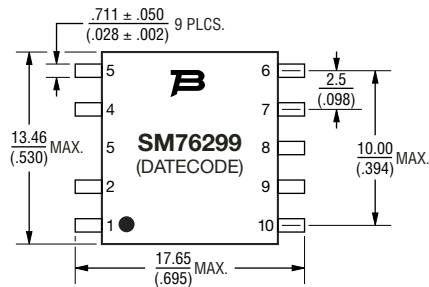
## Packaging Specifications

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

\*"E" suffix at end of part number

designates tape & reel packaging, e.g.  
SM76299E.

## Product Dimensions

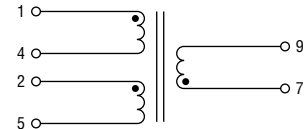


Recommended PAD layout

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

TOLERANCE: ±  $\frac{0.25}{(.010)}$

## Electrical Schematic



## How to Order

**SM76299E**

Model \_\_\_\_\_  
Termination \_\_\_\_\_  
Blank = Tin-lead  
L = Tin only (lead free)