

## **Features**

- Subminiature in SMT
- 7.36mm seated height
- Tested at 4600 Vrms, 1 minute
- Distortion of only 0.015%
- Vacuum encapsulated
- EN 60950, EN 41003, BS 415, BABT and UL approved

# **Applications**

- Modems (V32)
- Laptop Computers
- Telecommunications
- Instrumentation

# **SM-LP-5001 Series - Surface Mount Line Matching Transformers**

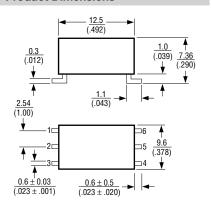
#### **Electrical Specifications**

•	
Nominal Impedance. Turns Ratio	1:1 .0 dB max. at 2 kHz
	dB max. 200-4 kHz dB min. 200-4 kHz* 80 dB min.
Dielectric Strength	0 000 Fiz, 10 ubiii
<u> </u>	600 Vrms for 1 min.
	, 100 MΩ @ 500 V
DC Resistance**	
Primary	115Ω
	115Ω
Shunt Inductance	
Shunt Loss	
Leakage Inductance	
Power Level Operating Temperature Storage Temperature	re0°C to 70°C
	40°C to +125°C

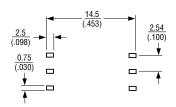
\*For use with recommended circuit (BS6305 impedance Class A non-speech or Class B speech).

\*\*SM-LP-5001 is symetrical, meaning there is no real primary nor secondary winding.

#### **Product Dimensions**



#### Suggested PCB Layout



DIMENSIONS ARE: METRIC (INCHES)

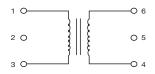
(INCHES

LEAD COPLANARITY:  $\frac{0.15}{(.006)}$  MAX.

UNLESS OTHERWISE SPECIFIED, TOLERANCE: ±0

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

### **Schematic**



#### **Packaging**

- SM-LP-5001 Tubes
- SM-LP-5001E Embossed Taped 400 pcs per reel