

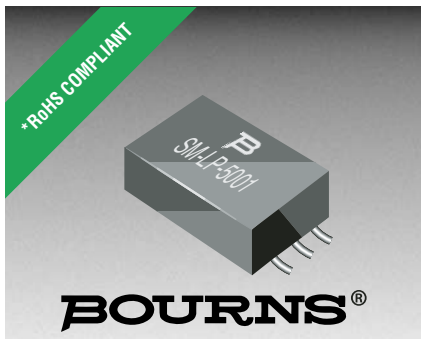


HESTORE.HU

elektronikai alkatrész áruház

EN: This Datasheet is presented by the manufacturer.

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Features

- Subminiature in SMT
- 7.36 mm seated height
- Tested at 4600 Vrms, 1 minute
- Distortion of only 0.015 %
- Vacuum encapsulated
- UL60950 certified
- RoHS compliant*

Applications

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

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

Electrical Specifications

Nominal Impedance.....600 Ω
 Turns Ratio.....1:1
 Insertion Loss2.0 dB max. at 2 kHz
 Frequency Response
±0.25 dB max. 200-4 kHz
 Return Loss.....24 dB min. 200-4 kHz*
 Balance80 dB min.
 Distortion-76 dB max.
 @ 600 Hz, -10 dBm
 Dielectric Strength
4600 Vrms for 1 min.
 Insulation Resistance
100 MΩ @ 500 V
 DC Resistance**
 Primary115 Ω ±15 %
 Secondary115 Ω ±15 %
 Shunt Inductance.....3.8 H min.
 Shunt Loss.....7500 Ω min.
 Leakage Inductance .6 mH typ. @ 1 kHz
 Power Level10 dBm
 Operating Temperature
-20 °C to +85 °C
 Storage Temperature
-40 °C to +85 °C

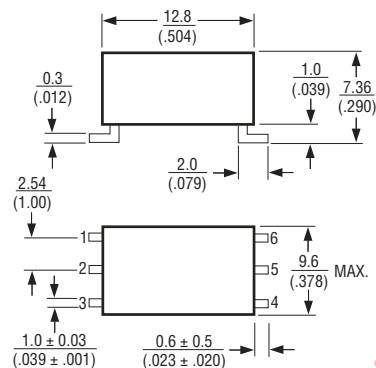
Materials

Terminal Plating.....AgSn

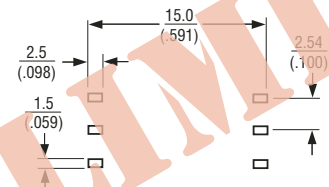
*For use with recommended circuit (BS6305 impedance Class A non-speech or Class B speech).

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

Product Dimensions



Suggested PCB Layout



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

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

UNLESS OTHERWISE SPECIFIED, TOLERANCE: $\frac{\pm 0.25}{(.010)}$ MAX.

How to Order

Model SM-LP-5001
 Packaging _____
 Blank = Packaged in tubes
 E = Tape and reel
 (400 pcs. per reel)

Schematic

