

#### **Features**

- 7.5 mm seated height
- Distortion of only 0.015 %
- Vacuum encapsulated
- Weight 2 g

(.039 + .010/-0.0)

- UL60950 approved
- RoHS compliant\*

#### **Applications**

- Modems (V34 and V92)
- Laptop Computers
- Telecommunications
- Instrumentation

### SM-LP-5002 Series - Surface Mount Line Matching Transformers

#### 

© 600 Hz, -10 dBm Dielectric Strength...2000 VRMS for 1 min. Insulation Resistance ...... 100 MΩ @ 500 V DC Resistance\*\*

#### **Materials**

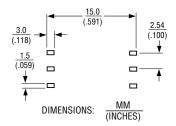
Terminal Plating ...... Sn/Ag/Cu

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

\*\*SM-LP-5002 is symmetrical, meaning there is no real primary nor secondary winding.

# 2.54 (.100) (.079) (.354) (.354) (.10 + 0.25/-0.0 0.6 ± 0.2

#### Suggested PCB Layout

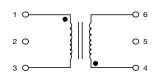


LEAD COPLANARITY:  $\frac{0.15}{(.006)}$  MAX.

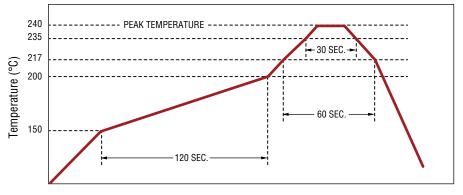
UNLESS OTHERWISE  $\pm 0.25$ SPECIFIED, TOLERANCE: (.010) MAX.

# Model Packaging Blank = Packaged in tubes E = Tape and reel (400 pcs. per reel)

#### Schematic



#### **Solder Profile**



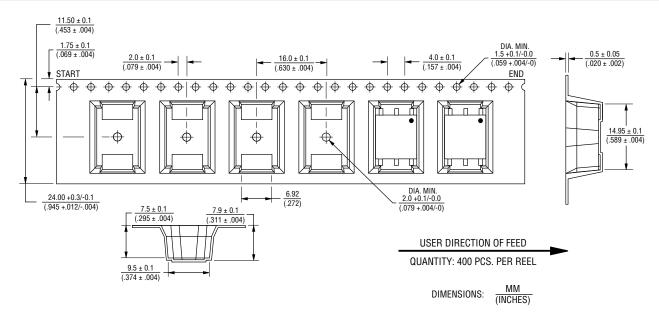
Time (Seconds)



# **SM-LP-5002 Series - Surface Mount Line Matching Transformers**

# BOURNS

#### **Packaging Specifications**



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