



# Audio Transformer PC Mount

## TY - 146P

### Description:

These transformers operate in the 200 Hz to 15,000 Hz range, making them suitable for a broad application spectrum in the audio industry. These devices are used in line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation and input applications.

**Operating Temperature Range:** 0° C to 105° C

### Electrical Specifications at 25° C:

1. Primary Impedance: 600Ω CT / 150Ω  
+ 15% with 600Ω load
2. Secondary Impedance: 600Ω CT / 150Ω
3. Output: 1W
4. Primary DC Unbalance: 0 Ma
5. Frequency Response: ± 2db from 200 to 15,000 Hz
6. Impedance Matching: 10% over full frequency range
7. Longitudinal Balance > 45db
8. Insertion Loss @ 1K Hz: < 1.5db
9. Return Loss: > 26db
10. Total Harmonic Distortion < 0.5% between 275Hz and 3.5KHz
11. DCR:
 

Primary (1-2)	17Ω Nominal
Primary (3-4)	19Ω Nominal
Secondary (5-6)	14.5Ω Nominal
Secondary (7-8)	22Ω Nominal
12. Turns Ratio: 1 : 1
13. Dielectric Strength 1500V Pri to Sec to Core

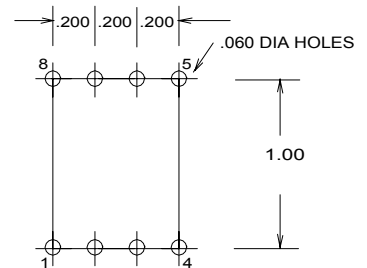
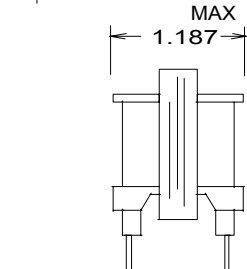
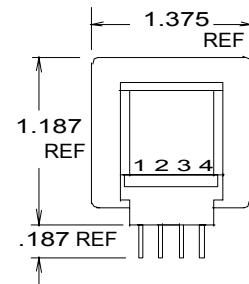
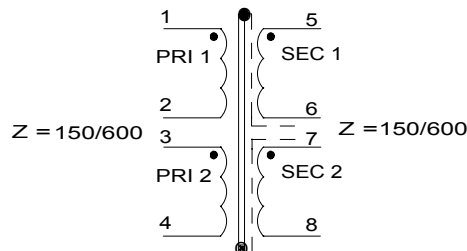
### Construction:

Bobbin has plug-in terminals which are spaced to provide fixed mounting centers. Pins are a rugged .042" square, minimizing the incidence of bent pins from handling.

### Outline Dimensions:

- A. Dimensions: As figures show
- B. PIN DIM. : .0375" x .020"
- C. Weight. : 3.0 oz.

### Schematic:



**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2002/95/EC, known as the RoHS initiative.

\*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

web: [www.TriadMagnetics.com](http://www.TriadMagnetics.com)  
 Phone 951-277-0757  
 Fax 951-277-2757

22520B Temescal Canyon Road  
 Corona, California  
 92883

Publish Date: June 20, 2006