

## Audio Transformer

# PC Mount

## TY-141P

#### **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.

10000Ω CT

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+ 2dB from 200 to 15,000 Hz

10% over full frequency range

< 0.5% between 275Hz and 3.5KHz

100mW

> 45dB

< 1.5dB

> 26dB

1:1

820Ω<u></u>Nominal

1500V Pri to Sec to Core

1070Ω Nominal

4 mA

Operating Temperature Range: 0° C to 105° C

#### Electrical Specifications at 25° C:

- 1. Primary Impedance:
- 2. Secondary Impedance:
- 3. Output:
- 4. Primary DC Unbalance:
- 5. Frequency Response:
- 6. Impedance Matching:
- 7. Longitudinal Balance
- 8. Insertion Loss @ 1K Hz:
- 9. Return Loss:
- 10. Total Harmonic Distortion
- 11. DCR:
  - Primary (1-3)
  - Secondary (4-6)
- 12. Turns Ratio:
- 13. Dielectric Strength

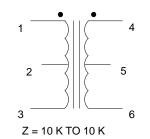
### **Construction:**

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

## **Outline Dimensions:**

- A. Dimensions: As figures show B. PIN DIM. :  $.042^{"}$  x  $.020^{"}$
- C. Weight. : 0.51 oz.

### Schematic:



**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

\*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html

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