

# 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.

**Operating Temperature Range:** -20º C to 85º C

## Electrical Specifications at 25° C:

Primary Impedance:  $10000\Omega$  CT Secondary Impedance: 2.  $10000\Omega$  CT Output: 100mW 3. Primary DC Unbalance: 4 mA

Frequency Response: + 2dB from 200 to 15,000 Hz Impedance Matching: 10% over full frequency range

Longitudinal Balance > 45dB Insertion Loss @ 1K Hz: < 1.5dB Return Loss: > 26dB 9.

10. Total Harmonic Distortion < 0.5% between 275Hz and3.5KHz

11. DCR:

Primary (1-3) 820Ω□□ Nominal□□ Secondary (4-6)  $1070\Omega$  Nominal

12. Turns Ratio: 1:1

13. Dielectric Strength 1500V Pri to Sec to Core

#### Construction:

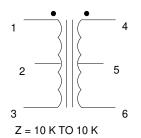
Bobbin has plug-in terminals which are spaced to provide fixed mounting centers. Pins are rugged, minimizing the incidence of bent pins from handling.

#### **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 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 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/fag.html

