

# Audio Transformer

## PC Mount

## TY-142P

#### **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:  $10000\Omega$  CT

+ 15% with  $600\Omega$  load

Secondary Impedance:  $2000\Omega$  CT 2 Output: 100mW 3. Primary DC Unbalance: 4. 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

10. Total Harmonic Distortion < 0.5% between 275Hz and 3.5KHz

11. DCR:

Primary (1-3) 750Ω Nominal Secondary (4-6) 217 $\Omega$  Nominal 2.24:1

12. Turns Ratio:

1500V Pri to Sec to Core 13. Dielectric Strength

#### **Construction:**

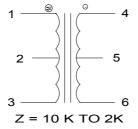
Bobbin has plug-in terminals which are spaced to provide fixed mounting centers. Pins are a rugged .042" square, minimizing the incidence of bent pins from handling.

### **Outline Dimensions:**

A. Dimensions: As figures show B. PIN DIM.: .0375" x .020"

C. Weight.: 0.51 oz.

#### **Schematic:**



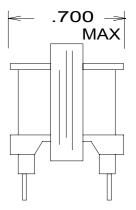
RoHS Compliance: As of manufacturing date February 2005, all standardproducts meet the requirements of 2002/95/EC, known as the RoHS initiative.

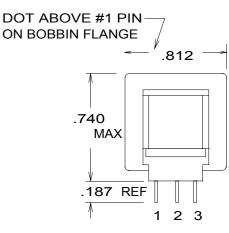
\*Upon printing, this document is considered "uncontrolled".Please contact Triad Magnetics' website for the most current version.

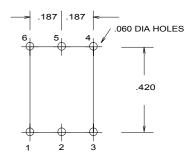
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