

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: 10000Ω CT

+ 15% with 600Ω load

2. Secondary Impedance: 2000Ω CT 3. Output: 100mW 4. Primary DC Unbalance: 4 Ma

5. Frequency Response: <u>+</u> 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 (1-3) $750\Omega \square$ Nominal \square

Secondary (4-6) 217Ω Nominal

12. Turns Ratio: 2.24 : 1

13. Dielectric Strength 1500V Pri to Sec to Core

Construction:

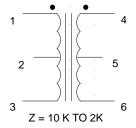
Bobbin has plug-in terminals which are spaced to provide fixed mounting centers. Pins are a rugged .042" square, minimizing the incidence of bent pins from handling.

Outline Dimensions:

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

C. Weight.: 0.51 oz.

Schematic:

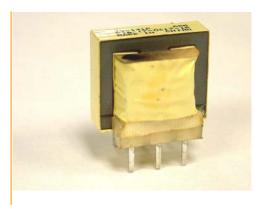


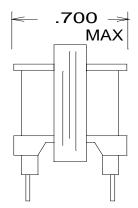
RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

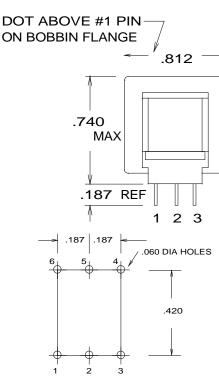
*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html

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