

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: -20° C to 85° C

Electrical Specifications at 25° C:

1. Primary Impedance: $600\Omega~CT / 150 \S \\ + 15\% ~with ~600\Omega~load$

Secondary Impedance: 600Ω CT / 150§

3. Output: 1W4. Primary DC Unbalance: 0 Ma

5. Frequency Response: ± 2db from 200 to 15,000 Hz
6. Impedance Matching: ± 2db from 200 to 15,000 Hz
10% over full frequency range

7. Longitudinal Balance > 45db8. Insertion Loss @ 1K Hz: < 1.5db9. Return Loss: > 26db

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

11. DCR:

 Primary (1-2)
 17Ω Nominal
 19Ω Nominal
 19Ω Nominal
 19Ω Nominal
 19Ω Nominal
 19Ω Nominal
 19Ω 19Ω Nominal
 19Ω 19Ω Nominal
 19Ω 19Ω Nominal
 19Ω 19Ω

12. Turns Ratio: 1 : 1

13. Dielectric Strength 1500V Pri to Sec to Core

Construction:

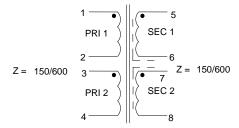
Bobbin has plug-in terminals which are spaced to provide fixed mounting centers. Pins are a rugged .042" square, minimizing the incidence of bent pins from handling.

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 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/faq.html



