

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.

10000Ω CT

2000Ω CT

100mW

4 Ma

> 45db

> 26db

< 1.5db

750Ω Nominal

217Ω Nominal 2.24 : 1

1500V Pri to Sec to Core

+ 15% with 600Ω load

+ 2db from 200 to 15,000 Hz

10% over full frequency range

< 0.5% between 275Hz and 3.5KHz

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 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.

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web:www.TriadMagnetics.com Phone 951-277-0757	22520B Temescal Canyon Road Corona ,California	Publish Date: June 20, 2006
Fax 951-277-2757	92883	







AMEYA360 Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

> Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd Minhang District, Shanghai , China

> Sales :

- Direct +86 (21) 6401-6692
- Email amall@ameya360.com
- QQ 800077892
- Skype ameyasales1 ameyasales2

> Customer Service :

Email service@ameya360.com

> Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com