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: -20°C to 85°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: ±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): 750Ω Nominal
   - 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 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

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