

### TY - 145 P

#### 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:** -40° C to 85° C

#### Electrical Specifications at 25° C:

1. Primary Impedance:	600Ω CT ±15% with 600Ω load
2. Secondary Impedance:	600Ω CT
3. Output:	100mW
4. Primary DC Unbalance:	15 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)	44Ω Nominal
Secondary (4-6)	58Ω Nominal
12. Turns Ratio:	1 : 1
13. Dielectric Strength	1500V Pri to Sec to Core

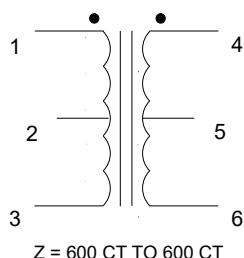
#### Construction:

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: .051 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>

