

### TY - 145P

#### 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:         | 600Ω CT<br>+ 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        |

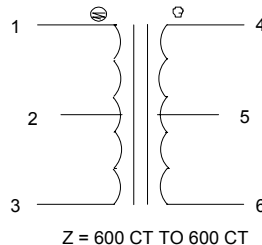
#### Construction:

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:

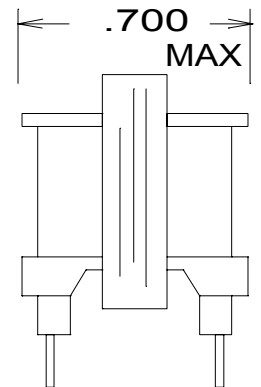
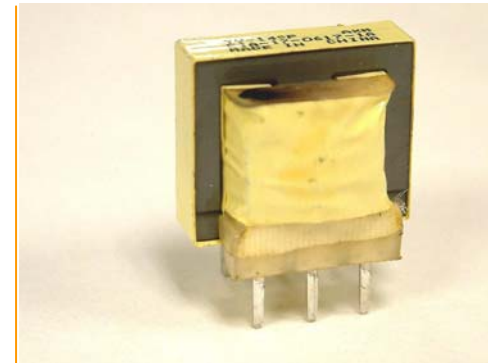
- A. Dimensions: As figures show  
 B. PIN DIM. : .0375" x .020"  
 C. Weight. : 0.51 oz.

#### Schematic:



**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2002/95/EC, known as the RoHS initiative.

\*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.



DOT ABOVE #1 PIN  
ON BOBBIN FLANGE

