

### 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:

- Primary Impedance: 600Ω CT  
+ 15% with 600Ω load
- Secondary Impedance: 600Ω CT
- Output: 100mW
- Primary DC Unbalance: 15 Ma
- Frequency Response: ± 2db from 200 to 15,000 Hz
- Impedance Matching: 10% over full frequency range
- Longitudinal Balance > 45db
- Insertion Loss @ 1K Hz: < 1.5db
- Return Loss: > 26db
- Total Harmonic Distortion < 0.5% between 275Hz and 3.5KHz
- DCR:  
Primary (1-3) 44Ω Nominal  
Secondary (4-6) 58Ω Nominal
- Turns Ratio: 1 : 1
- Dielectric Strength 1500V Pri to Sec to Core

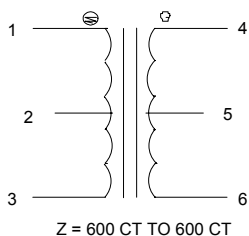
#### Construction:

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:

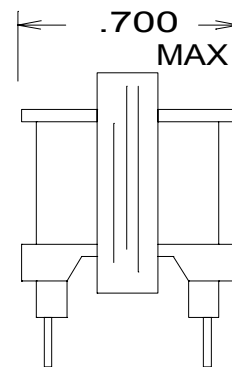
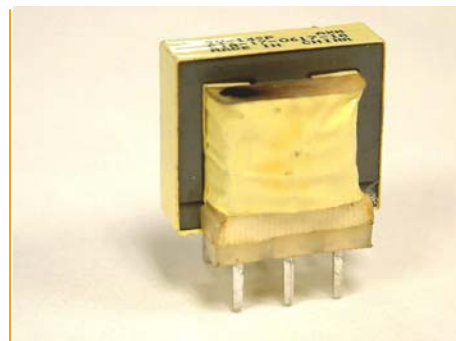
- Dimensions: As figures show
- PIN DIM. : .0375" x .020"
- Weight : 0.51 oz.

#### Schematic:



**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, 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

