



### TY - 146P

#### 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: 600Ω CT / 150Ω  
+ 15% with 600Ω load
2. Secondary Impedance: 600Ω CT / 150Ω
3. Output: 1W
4. Primary DC Unbalance: 0 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 (1-2)	17Ω Nominal
Primary (3-4)	19Ω Nominal
Secondary (5-6)	14.5Ω Nominal
Secondary (7-8)	22Ω Nominal
12. Turns Ratio: 1 : 1
13. Dielectric Strength 1500V Pri to Sec to Core

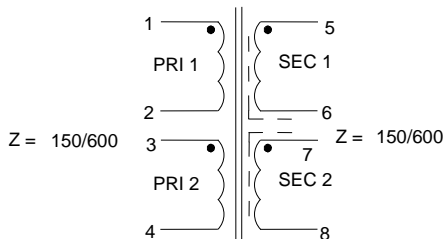
#### Construction:

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:

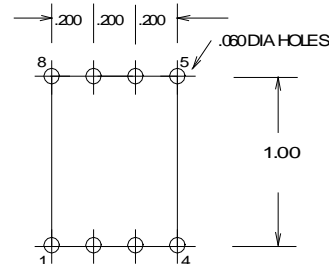
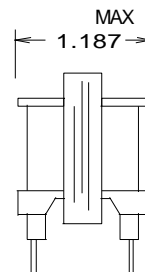
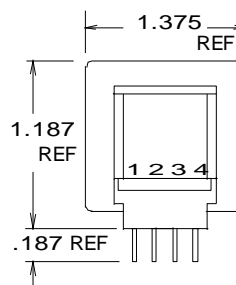
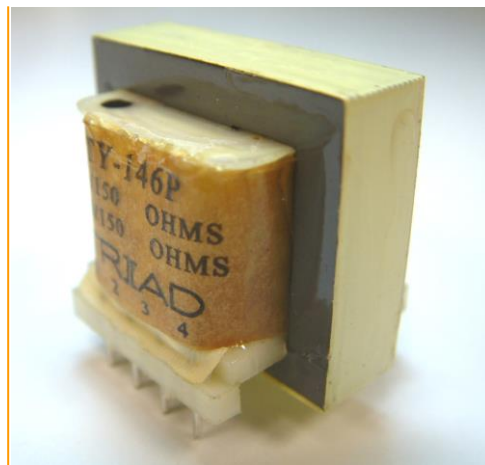
- A. Dimensions: As figures show
- B. PIN DIM. : .0375" x .020"
- C. Weight. : 3.0 oz.

#### 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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