

Audio Transformer

# PC Mount

## TY-250P

#### **Description:**

This transformer operates in the 20 Hz to 20,000 Hz range, making it suitable for a broad application spectrum in the audio industry. This device is used in line matching, telephone coupling, pulse trigger, driver, interstage, and isolation input and output applications.

1000Ω CT \*

20mW \*

< 2.8db

172Ω Nominal

172Ω Nominal

1:1 (tie 6&7)

As shown

0.4 oz.

4 mA

1000Ω CT / 250Ω \*

+ 1db from 20 to 20,000 Hz

2:1 (5 tied to 6 and 7 tied to 8)

1500V Primary to Secondary

#### Operating Temperature Range: -40° C to 105° C

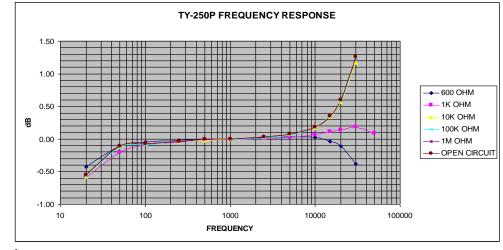
#### Electrical Specifications at 25° C:

- 1. Primary Impedance:
- 2. Secondary Impedance:
- 3. Output:
- 4. Primary DC Unbalance:
- 5. Frequency Response:
- 8. Insertion Loss @ 1K Hz:
- 11. DCR: Primary (2-4)
- Secondary (5-8, w/6-7 tied) 12. Turns Ratio:
- 13. Dielectric Strength

## **Outline Dimensions:**

- A. Dimensions:
- B. Weight:

### **Frequency Response:**



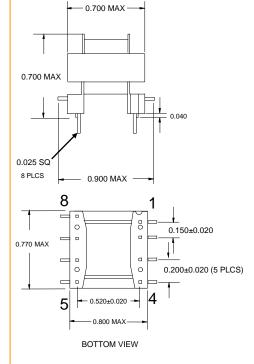
<sup>★</sup> 600:600Ω, 10K:10KΩ, 100K:100KΩ, 1M:1MΩ, and other impedances (secondaries can all be used at ¼ value when placed in parallel) are optional as long as input voltage is ≤4.2Vrms and current is ≤7mA.

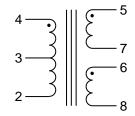
**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

\*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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