

### TY - 250 P

#### 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.

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

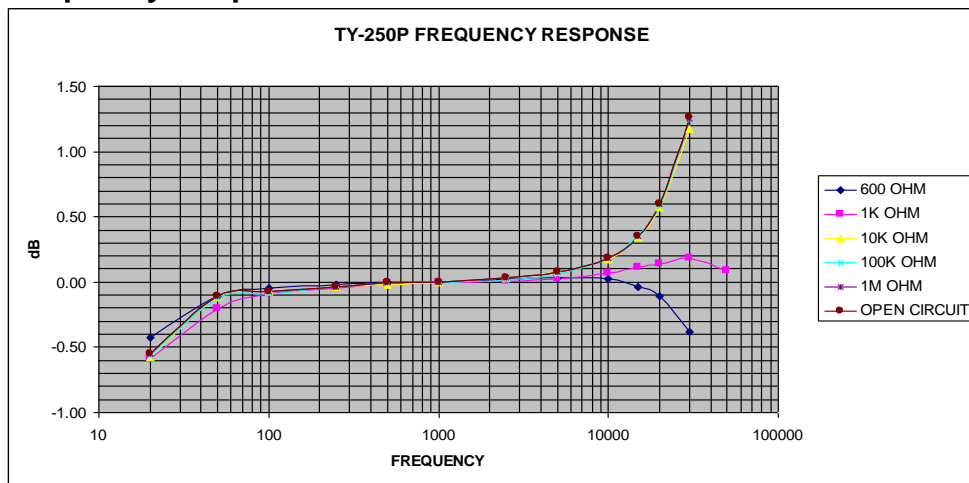
#### Electrical Specifications at 25° C:

1. Primary Impedance: 1000Ω CT \*
2. Secondary Impedance: 1000Ω CT / 250Ω \*
3. Output: 20mW \*
4. Primary DC Unbalance: 4 mA
5. Frequency Response: ± 1db from 20 to 20,000 Hz
8. Insertion Loss @ 1K Hz: < 2.8db
11. DCR: Primary (2-4) 172Ω Nominal  
Secondary (5-8, w/6-7 tied) 172Ω Nominal
12. Turns Ratio: 1:1 (tie 6&7)  
2:1 (5 tied to 6 and 7 tied to 8)
13. Dielectric Strength: 1500V Primary to Secondary

#### Outline Dimensions:

- A. Dimensions: As shown
- B. Weight: 0.4 oz.

#### Frequency Response:



\* 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 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. For soldering and washing information please see <http://www.triadmagnetics.com/faq.html>

