



# Audio Transformer Data/Voice Coupling

## TY - 306P

### Description:

The TY series transformers are used for a variety of applications including impedance matching, isolation, repeat coil, line balancing, bridging and hybrid circuits.

### Electrical Specifications at 25° C:

Impedance (Ohms)		Max. DC Current (mA)	Typ. Insertion Loss (dB)	Typ. Return Loss (dB)	Typ. Freq. Response (dB)
Pri	Sec				
600§	600	75	1.5	10	±.5

§ = Split Winding

### Designed to meet FCC Part 68

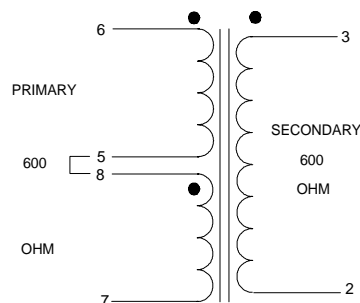
**Longitudinal Balance:** (FCC 68.310) – 60 dB min. 200 – 1000 Hz  
45 dB min. 1000 – 4000 Hz

**Dielectric Strength:** (FCC 68.304) – 1500VAC

**Power Level:** -45 dBm to +7 dBm

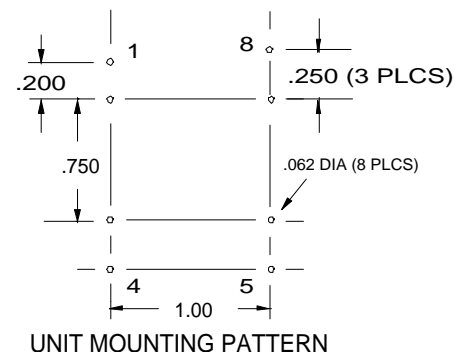
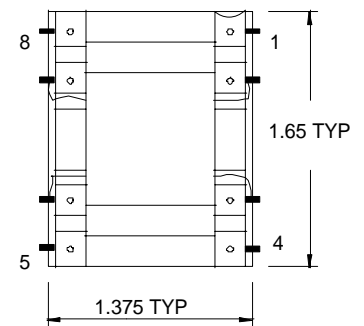
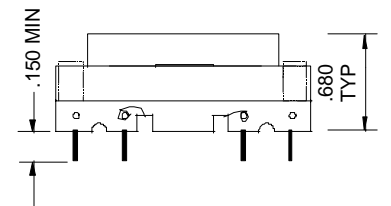
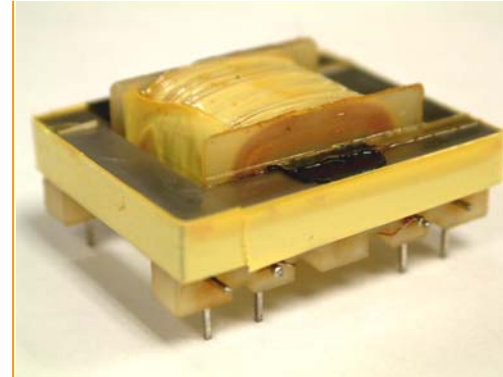
**Frequency Range:** Data/Voice = 300 to 3500 Hz  
Data = 800 to 3500 Hz

### 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.



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