



**Triad Magnetics**

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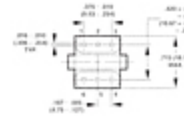
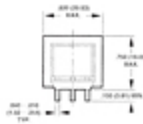
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## Item # TY-400P, Data/Voice Coupling Transformer

Triad telecommunications transformers are designed to meet the requirements for access over leased private lines or through the dial-up switched telephone network. The TY series transformers are used for a variety of applications including impedance matching, isolation, repeat coil, line balancing, bridging, and hybrid circuits.

Designed to meet FCC Part 68.



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Check Stock

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Specifications

**Min. Longitudinal Balance<sup>1</sup>**

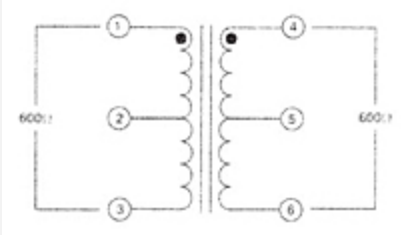
45 dB  
60 dB

**Longitudinal Balance  
Frequency<sup>2</sup>**

1000 to 4000 Hz at 45 dB  
200 to 1000 Hz at 60 dB

**Dielectric Strength (FCC  
68.304)**

1500 V

Power Level	5 mW
Frequency Range (Data/Voice)	300 to 3500 Hz
Frequency Range (Data)	800 to 3500 Hz
Primary Impedance	600 Ohm
Secondary Impedance	600 Ohm
Max. DC Current	90 mA
Typical Insertion Loss	1.75 dB
Typical Return Loss	15 dB
Typical Frequency Response	±0.5 dB
Schematic	<div></div> <p>Schematic 4</p>
Transformer Contact Type	Center Tap
Industry Standards	FCC 68.304 for Dielectric Strength FCC 68.310 for Longitudinal Balance

Applications

- Bridging Circuits
- Hybrid Circuits
- Impedance Matching
- Isolation
- Line Balancing
- Repeat Coil

Technical Notes

1. Primary connections shown on left side of schematics.

<sup>1</sup> FCC 68.310

<sup>2</sup> FCC 68.310