



Triad Magnetics

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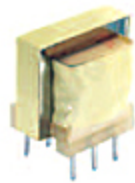
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Item # TY-403P, Data/Voice Hybrid Single Transformer

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 Balance¹

45 dB
60 dB

**Longitudinal Balance
Frequency²**

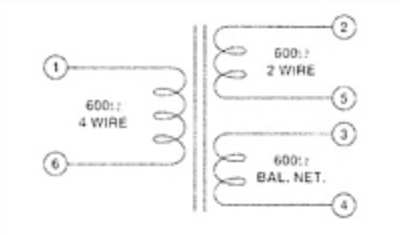
1000 to 4000 Hz at 45 dB
200 to 1000 Hz at 60 dB

**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 2400 Ohm
Typical Insertion Loss	0.80 dB
Typical Return Loss	30 dB
Trans-Hybrid Loss	50 dB

Schematic



Schematic 9

Industry Standards	FCC 68.304 for Dielectric Strength FCC 68.310 for Longitudinal Balance
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Applications

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

Technical Notes

1. Primary connections shown on left side of schematics.

¹ FCC 68.310

² FCC 68.310