

POWER TRANSFORMER CHASSIS MOUNT : TOROIDAL WORLD SERIES

VPT24-4170

Electrical Specifications (@25C)

- 1. Maximum Power: 100VA
- 2. Input Voltage: Series: 230VAC, 50/60Hz Parallel: 115VAC, 50/60Hz
- 3. Output Voltage: Series: 24VAC CT @ 4.17A Parallel: 12.0VAC @ 8.34A
- 4. Voltage Regulation: 9% TYP from full load to no load
- 5. Temperature Rise: 45°C TYP
- 6. Hipot: 4000VAC, Primary to Secondary
- 7. Efficiency: 89% TYP. @ full load

Construction:

The toroidal construction inherently helps reduce stray fields, increases efficiency and minimizes size compared to traditional EI transformers. Built with Class B (130°) insulation system.

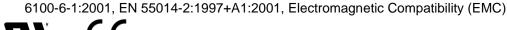
Safety:

World Series Transformers are designed and manufactured to meet most International Safety agency standards.

Agency File:

UL: File E122529, UL 5085-1 & 2

CE: EN 61558-1:2005, EN 61558-2-6:1995, Low Voltage Directive (LVD) EN 6-000-6-6:2001+A11:2004, EN 55014-1:2000+A1:2001+A2:2002, EN





Dimensions (mm): H* I.D. O.D. 51.0 Max 26.0 Min 88.0 Max

*Add 3mm to the height for mounting hardware Weight: 1.0Kg

Mounting:

Transformer is provided with one metal mounting plate, two rubber pads, M6 x 55mm bolt, nut, spring and flat washer.

Connections:

Transformer is provided with 8" (200mm) long, 0.25" (6mm) stripped and tinned, stranded UL 1015 lead wire. Primaries are 22AWG, Secondaries are 18AWG.

Input¹: Series – BLUE and BROWN, Jumper GRAY to VIOLET Parallel – BLUE and BROWN, Jumper BLUE to VIOLET, GRAY to BROWN Output¹: Series – BLACK and YELLOW, Jumper RED to ORANGE Parallel – BLACK and YELLOW, Jumper BLACK to ORANGE, RED to YELLOW

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

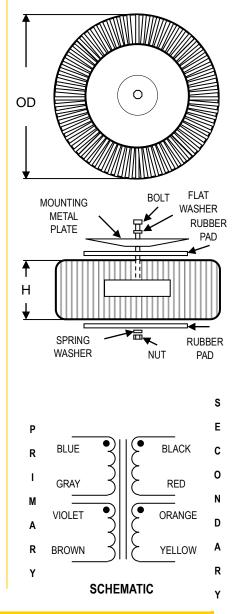
* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

¹ Primary and secondary windings are designed to be connected in series or parallel. Windings are not intended to be used independently.

Web: www.TriadMagnetics.com Phone 951-277-0757 Fax 951-277-2757

460 Harley Knox Blvd. Perris, California 92571





Publish Date: October 12, 2021