

# POWER TRANSFORMER CHASSIS MOUNT: TOROIDAL WORLD SERIES

# VPT48-20830

## Electrical Specifications (@25C)

1. Maximum Power: 1000VA

2. Input Voltage: Series: 230VAC, 50/60Hz

Parallel: 115VAC, 50/60Hz

3. Output Voltage: Series: 48VAC CT @ 20.83A

Parallel: 24VAC @ 41.66A

4. Voltage Regulation: 4% TYP from full load to no load

5. Temperature Rise: 50°C TYP

6. Hipot: 4000VAC, Primary to Secondary

7. Efficiency: 95% 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 506

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 6100-6-1:2001, EN 55014-2:1997+A1:2001, Electromagnetic Compatibility (EMC)



Dimensions (mm):

H*	I.D.	O.D.
68.0	53.0	175.0

\*Add 3mm to the height for mounting hardware Weight: 8.2Kg

# Mounting:

Transformer is provided with one metal mounting plate, two rubber pads, M8 x 80mm bolt, nut, spring and flat washer.

### **Connections:**

Transformer is provided with 12" (305mm) long, 0.50" (12.7mm) stripped and tinned, stranded UL 1015 lead wire.

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

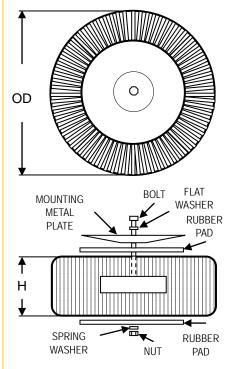
Parallel - BLACK and YELLOW, Jumper BLACK to ORANGE, RED to YELLOW

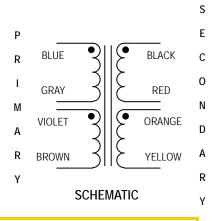
\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

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Release Date: May 3, 2011

 $<sup>^{\</sup>mathrm{1}}$  Primary and secondary windings are designed to be connected in series or parallel. Windings are not intended to be used independently.