

# **POWER TRANSFORMER** CHASSIS MOUNT : TOROIDAL MEDICAL SERIES

# VPM48-3330

### **Description:**

The toroidal construction inherently reduces stray fields, increases efficiency and minimizes size compared to traditional EI transformers. The addition of a Flux Band further reduces the remaining stray fields. The shield between Primary and Secondary improves safety, reduces common mode signals and minimizes leakage current. Built with a Class F (155°) insulation system. A 140°C self-resetting thermal switch is included in each primary.

## **Electrical Specifications (@25C)**

- 1. Maximum Power: 160VA
- 2. Input Voltages: 100, 120, 220, 240VAC, 50/60Hz
- 3. Output Voltages: 24VAC @6.66A or 48VAC CT @ 3.33A
- 4. Voltage Regulation: 7.5% TYP from full load to no load
- 5. Temperature Rise: 50°C TYP
- 6. Hipot: 4000VAC, Primary to Secondary, Primary & Secondary to Shield & mounting surface
- 7. Efficiency: 92% TYP. @ full load

#### **Agency File:**

UL: File É122529, UL 60601-1/(R) 2012 Medical Electrical Equipment – Part 1 CE: ES 60601-1 (IEC 60601-1:2005, MOD) cLIL: C22 2 No. 60601 1:14 Medical Electrical Equipment – Part 1

cUL: C22.2 No. 60601-1:14, Medical Electrical Equipment – Part 1





Dimensions: Inches (mm)

O.D.	I.D.	HT.*
4.4 (113)	1.6(40)	2.0(52)

\*Add 0.188 (3) to the height for mounting hardware

Weight: 1.8Kg

#### **Mounting:**

Transformer is provided with one metal mounting plate, two rubber pads, M6 x 60mm bolt, nut, spring and flat washer.

#### **Connections:**

Transformer is provided with8" (203mm) long, 0.25" (6.35mm) stripped and tinned, stranded UL 1015 lead wire. Primaries are 22AWG, Secondaries are 18AWG, and Shield is 20AWG. The GRN/YEL shield lead is typically grounded. Do not lift transformer by leads!

#### Input Options:

- 100VAC: Input to Gray & Blue, jumper White & Brown, jumper Blue & Violet.
- 120VAC: Input to White & Blue, jumper White & Brown, jumper Blue & Violet.
- **220VAC:** Input to Gray & Violet, jumper Blue & Brown
- 240VAC: Input to White and Violet, jumper Blue & Brown

#### **Output Options:**

**24VAC:** Output from Black & Red, jumper Black & Orange, jumper Red to Yellow **48VAC:** Output from Black & Yellow, jumper Red & Orange

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

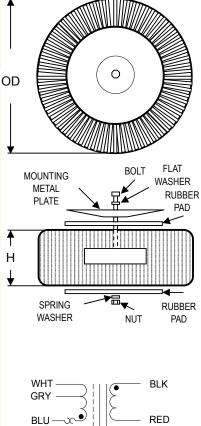
**RoHS Compliance:** Meets the requirements of 2011/65/EU, known as the RoHS 2 initiative.

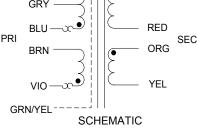
\* At printing, this document is considered "uncontrolled". Contact Triad Magnetics' website for current version

Web: www.TriadMagnetics.com	
Phone 951-277-0757	46
Fax 951-277-2757	Pe

60 Harley Knox Blvd. Perris, California 92571







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