

# POWER TRANSFORMER CHASSIS MOUNT: TOROIDAL MEDICAL SERIES



# VPM240-41600

## **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: 10000VA

2. Input Voltages: 100, 120, 220, 240VAC, 50/60Hz

3. Output Voltages: 120VAC @83.20A or 240VAC CT @ 41.60A

4. Voltage Regulation: 0.7% TYP from full load to no load

5. Temperature Rise: 45°C TYP

6. Hipot: 4000VAC, Primary to Secondary, Primary & Secondary to Shield & mounting surface

7. Efficiency: 95% TYP. @ full load

### Agency File:

UL: File E122529, UL 60601-1/(R) 2012 Medical Electrical Equipment – Part 1 CE: ES 60601-1 (IEC 60601-1:2005, MOD) cUL: C22.2 No. 60601-1:14, Medical Electrical Equipment – Part 1 CB Certified.



Dimensions: Inches (mm)

O.D.	I.D.	HT.*
16.3(416)	3.7(95)	5.5(140)

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

Weight: 91Kg

# **Mounting:**

Transformer is provided with one metal mounting plate, two rubber pads, M12 x 140mm bolt, nut, spring and flat washer.

### **Connections:**

Transformer is provided with 12" (305mm) long, 0.5" (12mm) stripped and tinned, stranded UL 1015 lead wire. Primaries are 10AWG, Secondaries are 10AWG, and Shield is 18AWG. 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:** 

120VAC: Output from Black & Red, jumper Black & Orange, jumper Red to Yellow

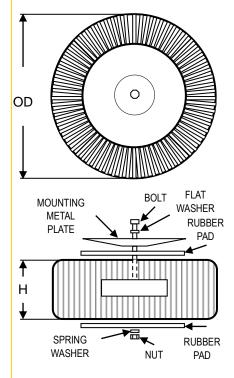
**240VAC**: Output from Black & Yellow, jumper Red & Orange

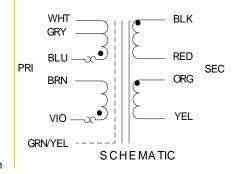
Primary and secondary windings are designed to be connected in series or parallel. Windings are not intended to be used independently.

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







Publish Date: June 19, 2015