

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



# VPM48-2080

## **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: 100VA
- 2. Input Voltages: 100, 120, 220, 240VAC, 50/60Hz
- 3. Output Voltages: 24VAC @4.16 or 48VAC CT @ 2.08A 4. Voltage Regulation: 8.9% 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: 91% 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.*
3.8 (96)	1.5(37)	2.0(52)

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

Weight: 1.2Kg

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

#### **Input Options:**

Input to Gray & Blue, jumper White & Brown, jumper Blue & Violet. 100VAC: 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

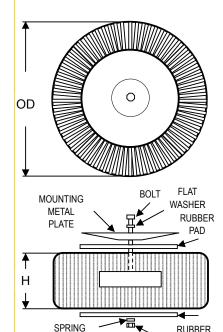
48VAC: Output from Black & Yellow, jumper Red & Orange

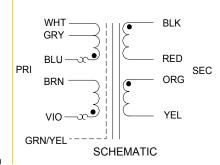
Primary and secondary windings are designed to be connected in series or parallel. Windings are not intended to be used independently.

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







WASHER

**RUBBER** 

PAD

NUT