

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

# **VPM240-2080**

# **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: 500VA
- 2. Input Voltages: 100, 120, 220, 240VAC, 50/60Hz
- 3. Output Voltages: 120VAC @4.16A or 240VAC CT @ 2.08A
- 4. Voltage Regulation: 4.2% 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: 95% 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) cUL: C22.2 No. 60601-1:14, Medical Electrical Equipment – Part 1

CB Certified.



#### Dimensions: Inches (mm)

O.D.	I.D.	HT.*
5.8 (147)	2.0(52)	2.5(64)

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

Weight: 4.6Kg

## Mounting:

Transformer is provided with one metal mounting plate, two rubber pads, M8 x 70mm 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 20AWG, Secondaries are 20AWG, 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:**

**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.

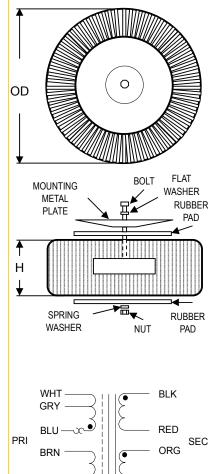
**RoHS Compliance:** Meets the requirements of 2011/65/EU, known as the RoHS 2 initiative.

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

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YEL

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**GRN/YEL**