

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 \times 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

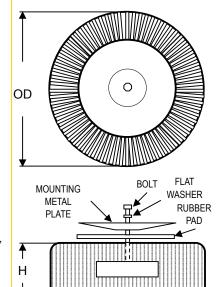
240VAC: Output from Black & Yellow, jumper Red & Orange

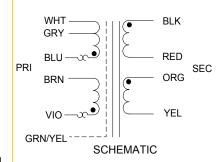
Primary and secondary windings are designed to be connected in series or parallel. Windings are not intended to be used independently.

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







RUBBER

PAD

NUT

SPRING

WASHER