TRIAD MAGNETICS

POWER TRANSFORMER CHASSIS MOUNT : TOROIDAL MEDICAL SERIES

VPM240-31200

Photo for illustration only

RoHS 2011/65/EU

Description:

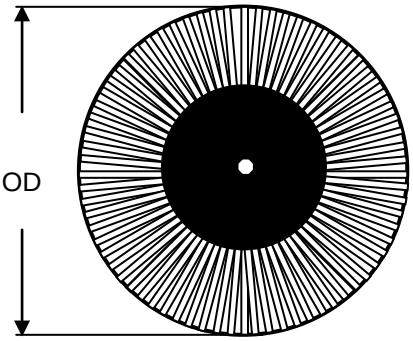
The toroidal construction inherently reduces stray fields, increases efficiency and minimizes size compared to traditional EI transformers. The addition of a Flux Band further reduces the remaining stray fields. The shield between Primary and Secondary improves safety, reduces common mode signals and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

Electrical Specifications (@25C)

1. Maximum Power: 7500VA
2. Input Voltages: 240, 208VAC, 50/60Hz
3. Output Voltages: 120VAC @62.5A or 240VAC CT @ 31.25A
4. Voltage Regulation: 0.9% 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 with 2 MOPP
CE: ES 60601-1 (IEC 60601-1:2005, MOD)
cUL: C22.2 No. 60601-1:14, Medical Electrical Equipment – Part 1
CB Certified.

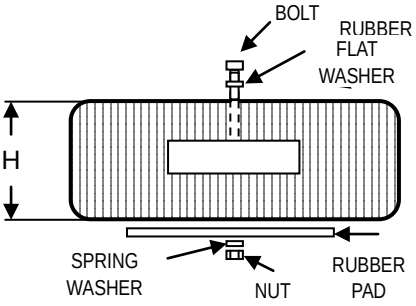


Dimensions: Inches (mm)

O.D.	I.D.	HT.*
13(330)	3.8(96)	5.5(140)

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

Weight: 62Kg

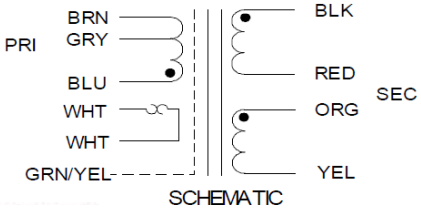


Mounting:

Transformer is provided with one rubber pad, 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:

208VAC: Input to Blue & Grey
240VAC: Input to 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

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

460 Harley Knox Blvd.
Perris, California 92571

Publish Date: July 15, 2016