

MEDICAL GRADE ISOLATION POWER TRANSFORMER

MD-250-U

Electrical Specifications (@25C)

- 1. Maximum Power: 250VA
- 2. Input Voltage (power cord) : 120VAC±10%, 50/60Hz
- 3. Output Voltage (receptacle) : 120.0VAC @ 2.08Max¹
- 4. Voltage Regulation: 8% TYP from full load to no load
- 5. Hipot:
 - Input to output: 3000VAC
 - Input and output to enclosure (Ground): 1500VAC
- 6. Efficiency: 92% TYP. @ full load
- 7. Operating ambient temperature: Not to exceed 60°C
- 8. Leakage current: less than 50uA; typical 10uA
- 9. Fusing: Replace only with 3.0A, 250VAC, slow blo, UL listed fuses.

Construction:

These medical grade isolation boxes are built using a toroidal transformer construction that inherently helps reduce stray fields, increases efficiency and minimizes size compared to traditional EI transformers. Built with Class F (155°) insulation system. The enclosure is made of steel and powder coated white.

Safety:

Medical isolation transformer box is certified to UL 60601-1, 2nd edition medical standard and CSA-C22.2.No. 601.1M90, 2005

UL: (E352717), UL60601-1, 2nd edition and CAN/CSA-C22.2 No. 601.1M90, 2005 Note: Not for use in life critical application



Mountina: Rubber feet for horizontal mounting.

Connections:

Input: 11ft medical grade power cord with Nema 5-15P plug. Output: Duplex receptacle. Nema 5-15R.

Schematic:



Please refer to instruction manual for safety precautions.

* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

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¹ Combined loads connected to receptacle(s) must not exceed maximum current rating.

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Dimensions: mm Weight: 4.0Kg Warranty: 5 years