

## VPP24-1250

### Electrical Specifications (@25C)

1. Maximum Power: 30.0VA
2. Input: **Series**: 230VAC, 50/60Hz; **Parallel**: 115VAC, 50/60Hz
3. Output: **Series**<sup>1</sup>: 24.0V CT@ 1.25A; **Parallel**<sup>2</sup>: 12.0V @ 2.5A
4. Voltage Regulation: 25% TYP @ full load to no load
5. Temperature Rise: 30C TYP (45C MAX allowed)
6. Insulation Resistance: 100MΩ
7. Hipot: 4000VAC between primary to secondary and windings to core.
8. Recommended Fuse<sup>3</sup>:
  - Series: Littelfuse p/n 313 1.5HXP, 1.5A 250V, slow blow,  $\frac{1}{4} \times 1 \frac{1}{4}$  or, Cooper Bussmann p/n BKMDL-1½, 1.5A 250V,  $\frac{1}{4} \times 1 \frac{1}{4}$
  - Parallel: Littelfuse p/n 313 3HXP, 3A 250V, slow blow,  $\frac{1}{4} \times 1 \frac{1}{4}$  or, Cooper Bussmann p/n BKMDL-3, 3A 250V,  $\frac{1}{4} \times 1 \frac{1}{4}$

### Construction:

Dual bobbin construction with an insulated shroud, both made of a high temperature material that exceeds UL flammability requirements.

### Safety:

Since the dual bobbin construction effectively reduces capacitance, electrostatic shielding is not required. World Series Transformers are designed and manufactured to meet the following agency approvals:



### Agency File:

UL: File E53148, UL 5085-1 and 2 (formerly UL 506), General Purpose.  
 UL: File E65390, UL 5085-1 and 3 (formerly UL1585), Class 2/3.  
 CSA: File LR 221330. C22.2 NO. 66, General Purpose.  
 TUV: File R72103639, EN 60950, (IEC950) information Technology Equipment.

A. Dimensions: Units: In inches

| H     | W     | D     | A     | B     | C     | ML | MD   | MW    |
|-------|-------|-------|-------|-------|-------|----|------|-------|
| 1.562 | 2.625 | 2.187 | 0.550 | 0.275 | 1.680 | -  | 1.75 | 2.187 |

B. PIN DIM. : 0.045 SQ

C. WT Lbs. : 1.15

D. Mounting Holes: 0.156 dia. x 4

### Connections<sup>4</sup>:

**Input:** Series – Pin 1 to Pin 6, Jumper Pin 4 to Pin 3  
 Parallel – Pin 1 to Pin 6, Jumper Pin 1 to Pin 4 and Pin 3 to Pin 6

**Output:** Series – Pin 7 to Pin 12, Jumper Pin 9 to Pin 10  
 Parallel – Pin 7 to Pin 12, Jumper Pin 7 to Pin 10 and Pin 9 to Pin 12

**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

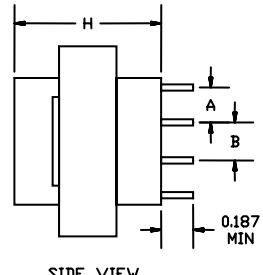
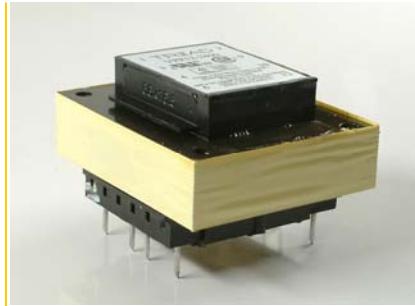
\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

<sup>1</sup> Non-Inherently limited. Class 3.

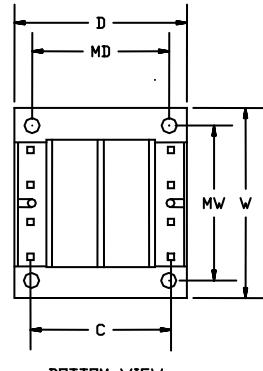
<sup>2</sup> Non-Inherently limited. Class 2 not wet, Class 3 wet.

<sup>3</sup> Fuse must be used on **secondary** as conditions of acceptability for UL Class2/3 operation.

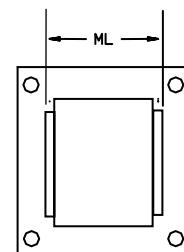
<sup>4</sup> Primary and secondary windings are designed to be connected in series or parallel. Winding are not intended to be used independently.



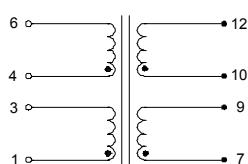
SIDE VIEW



BOTTOM VIEW



TOP VIEW



SCHEMATIC