

### VPP28-2000

#### Electrical Specifications (@25C)

- Maximum Power: 56.0VA
- Input: **Series**: 230VAC, 50/60Hz; **Parallel**: 115VAC, 50/60Hz
- Output: **Series**<sup>1</sup>: 28.0V CT @ 2.0A; **Parallel**<sup>2</sup>: 14.0V @ 4.0A
- Voltage Regulation: 25% TYP @ full load to no load
- Temperature Rise: 30C TYP (45C MAX allowed)
- Insulation Resistance: 100MΩ
- Hipot: 4000VAC between primary to secondary and windings to core.
- Recommended Fuse<sup>3</sup>:  
 Series: Littelfuse p/n 313 2.5HXP, 2.5A 250V, slow blow, ¼ x 1 ¼ or,  
 Cooper Bussmann p/n BKMDL-2½, 2.5A 250V, ¼ x 1 ¼  
 Parallel: Littelfuse p/n 313 5.0HXP, 5A 250V, slow blow, ¼ x 1 ¼ or,  
 Cooper Bussmann p/n BKMDL-5, 5A 250V, ¼ x 1 ¼

#### 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
1.812	3.0	2.50	0.600	0.300	1.900	-	2.0	2.5

B. PIN DIM. : 0.045 SQ

C. WT Lbs. : 1.70

D. Mounting Holes: 0.180 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:** Meets the requirements of 2002/95/EC, known as the RoHS initiative.

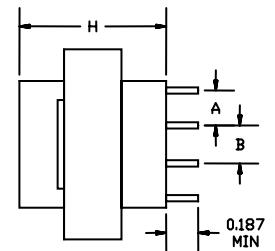
\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

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

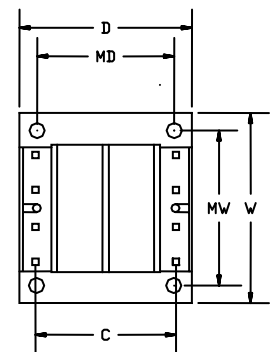
<sup>2</sup> Non-Inherently limited. Class 2 not wet, Class 3 wet.

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

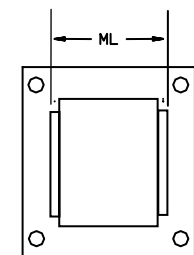
<sup>4</sup> Primary and secondary windings are designed to be connected in series or parallel. Winding are not intended to be used independently.



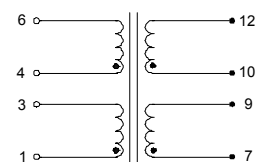
SIDE VIEW



BOTTOM VIEW



TOP VIEW



SCHEMATIC

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