

### VPP20-1000

#### Electrical Specifications (@25C)

1. Maximum Power: 20.0VA
2. Input: **Series:** 230VAC, 50/60Hz; **Parallel:** 115VAC, 50/60Hz
3. Output: **Series<sup>1</sup>:** 20.0V CT@ 1.00A; **Parallel<sup>2</sup>:** 10.0V @ 2.0A
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: Inherently Limited. No fusing required.  
 Parallel: Littelfuse p/n 313 2.5HXP, 2.5A 250V, slow blow, ¼ x 1 ¼ or,  
 Cooper Bussmann p/n BK/MDL-2½, 2.5A 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 R72182067, EN 61558-1:2005+A1, EN61558-2-6:2009. Double Insulated. Non-inherently Short-Circuit-Proof.

#### A. Dimensions: Units: In inches

| A     | B     | C    | D    | E    | F     | G     | H     |
|-------|-------|------|------|------|-------|-------|-------|
| 1.500 | 1.625 | .187 | .400 | .400 | 1.875 | 2.250 | 1.460 |

- B. PIN DIM. : 0.036 SQ  
 C. WT Lbs. : 0.90  
 D. Mounting Holes: .112 dia. x 2.

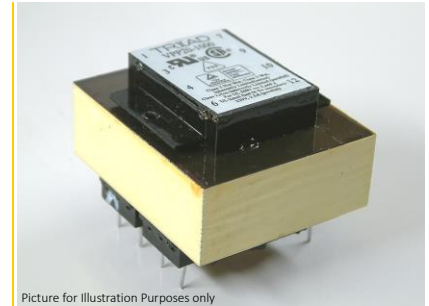
#### Connections<sup>4</sup>:

**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

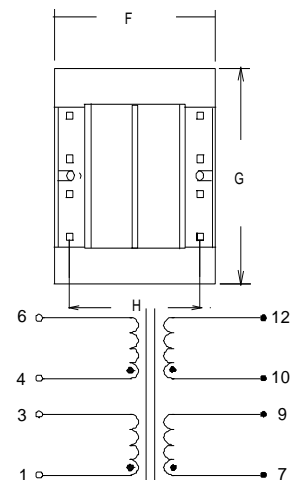
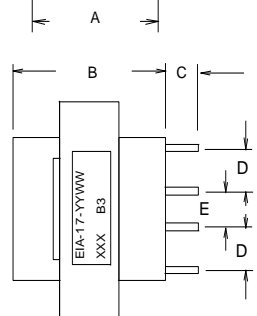
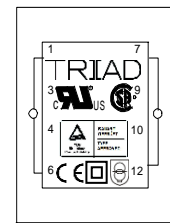
**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

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

- <sup>1</sup> Inherently limited. Class 2 not wet, Class 3 wet.
- <sup>2</sup> Non-Inherently limited. Class 2.
- <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. Windings are not intended to be used independently.



Picture for illustration Purposes only



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