

# POWER TRANSFORMER PC MOUNT: WORLD SERIES

# **VPP12–1600**

## Electrical Specifications (@25C)

- 1. Maximum Power: 20.0VA
- 2. Input: Series: 230VAC, 50/60Hz; Parallel: 115VAC, 50/60Hz
- 3. Output: Series1: 12.6V CT@ 1.6A; Parallel2: 6.3V @ 3.2A
- 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 Fuse3:

Series: Littelfuse p/n 313 2HXP, 2.0A 250V, slow blow, ¼ x 1 ¼ or, Cooper Bussmann p/n BK/MDL-2, 2A 250V, ¼ x 1 ¼ Parallel: Littelfuse p/n 313 4HXP, 4.0A 250V, slow blow, ¼ x 1 ¼ or,

Cooper Bussmann p/n BK/MDL-4, 4A 250V, 1/4 x 1 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:

Units: In inches



### 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.

Δ	Dimensions:	
л.	Dimensions.	

А	В	С	D	Е	F	G	н
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> Non-Inherently limited. Class 2 not wet, Class 3 wet.

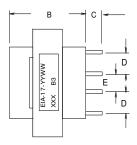
<sup>3</sup> Fuse must be used on **secondary** as conditions of acceptability for UL Class2/3 operation.

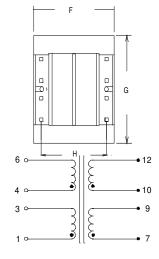
<sup>4</sup> Primary and secondary windings are designed to be connected in series or parallel. Windings are not intended to be used independently.

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Publish Date: August 25, 2021

<sup>&</sup>lt;sup>2</sup> Non-Inherently limited. Class 2.