TRIAD MAGNETICS

# POWER TRANSFORMER
# PC MOUNT: WORLD SERIES

# VPP36–1560

### Electrical Specifications (@25C)

1. Maximum Power: 56.0VA
2. Input: **Series:** 230VAC, 50/60Hz; **Parallel:** 115VAC, 50/60Hz
3. Output: **Series**[1]**:** 36.0V CT@ 1.56A; **Parallel**[2]**:** 18.0V @ 3.12A
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[3]:
   - Series: Littelfuse p/n 313 2HXP, 2.0A 250V, slow blow, ¼ x 1 ¼ *or*,
     Cooper Bussmann p/n BKMDL-2, 2.0A 250V, ¼ x 1 ¼
   - Parallel: Littelfuse p/n 313 4 HXP, 4A 250V, slow blow, ¼ x 1 ¼ *or*,
     Cooper Bussmann p/n BKMDL-4, 4A 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 |

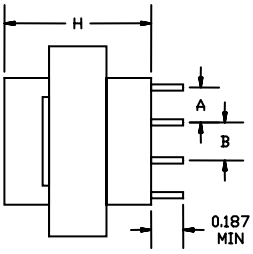
B. PIN DIM. : 0.045 SQ
C. WT Lbs. : 1.70
D. Mounting Holes: 0.180 dia. x 4

### Connections[4]:

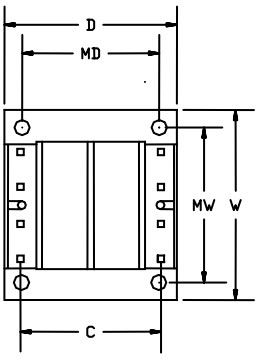
**Input:** Series – Pin 1 to Pin 6, Jumper Pin 4 to Pin 3
Parallel – Pin 1 to Pin 6, Jumper Pin 1 to Pin 4 and Pin 3 to Pin 6
**Output:** Series – Pin 7 to Pin 12, Jumper Pin 9 to Pin 10
Parallel – Pin 7 to Pin 12, Jumper Pin 7 to Pin 10 and Pin 9 to Pin 12

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

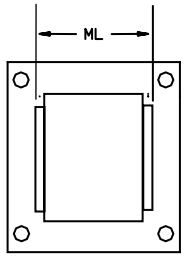
* Upon printing, this document is considered “uncontrolled”. Please contact Triad Magnetics’ website for the most current version.



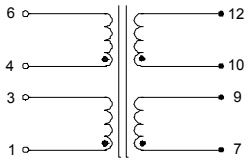
SIDE VIEW



BOTTOM VIEW



TOP VIEW



SCHEMATIC

[1] Non-Inherently limited. Class 3.
[2] Non-Inherently limited. Class 2 not wet, Class 3 wet.
[3] Fuse must be used on **secondary** as conditions of acceptability for UL Class2/3 operation.
[4] Primary and secondary windings are designed to be connected in series or parallel. Winding are not intended to be used independently.

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