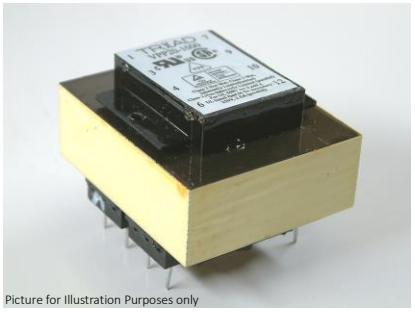
TRIAD MAGNETICS

POWER TRANSFORMER
PC MOUNT: WORLD SERIES

VPP12–1600


Picture for Illustration Purposes only

Electrical Specifications (@25C)

1. Maximum Power: 20.0VA
2. Input: **Series:** 230VAC, 50/60Hz; **Parallel:** 115VAC, 50/60Hz
3. Output: **Series[1]:** 12.6V CT@ 1.6A; **Parallel[2]:** 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 Fuse[3]:

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, 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:

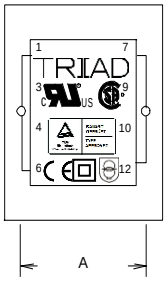
Agency File:

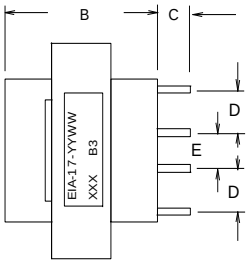
UL: File E53148, UL 5085-1 and 2 (formerly UL 506), General Purpose.
UL: File E65390, UL 5085-1 and 3 (formerly UL1585), Class 2/3.
CSA: File LR 221330. C22.2 NO. 66, General Purpose.
TUV: File R72182067, EN 61558-1:2005+A1, EN61558-2-6:2009. Double Insulated. Non-inherently Short-Circuit-Proof.

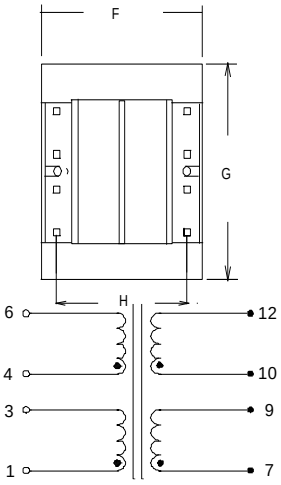
A. Dimensions: Units: In inches

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.







SCHEMATIC

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 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.

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[1] Non-Inherently limited. Class 2 not wet, Class 3 wet.

[2] Non-Inherently limited. Class 2.

[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. Windings are not intended to be used independently.

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