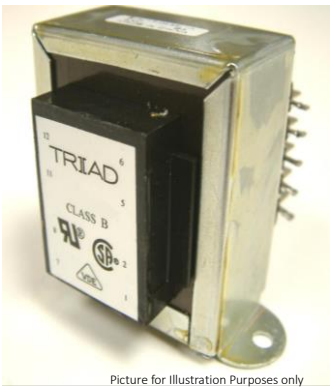
TRIAD MAGNETICS

POWER TRANSFORMER
CHASSIS MOUNT :
QUICK-CONNECT WORLD SERIES ™

VPS28-900



Picture for Illustration Purposes only

Electrical Specifications (@25C)

1. Maximum Power: 25VA
2. Input Voltage: **Series:** 230VAC, 50/60Hz; **Parallel:** 115VAC, 50/60Hz
3. Output Voltage: **Series**[1]**:** 28V CT@ 0.9A; **Parallel**[2]**:** 14.0V @ 1.8A
4. Voltage Regulation: 25% TYP @ full load to no load
5. Temperature Rise: 30C TYP (45C MAX allowed)
6. Insulation Resistance: 100MΩ
7. Recommended Fuse[3]:

Series: Littelfuse p/n 313 1.0 HXP, 1A 250V, slow blow, ¼ x 1 ¼ *or*,
Cooper Bussmann p/n BKMDL-1, 1A 250V, ¼ x 1 ¼
Parallel: Littelfuse p/n 313 2 HXP, 2A 250V, slow blow, ¼ x 1 ¼ *or*,
Cooper Bussmann p/n BKMDL-2, 2A 250V, ¼ x 1 ¼

Construction:

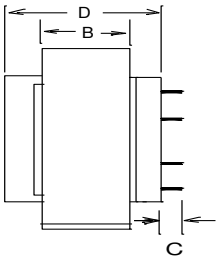
Dual bobbin construction with an insulated shroud, both made of a high temperature material that exceeds UL flammability requirements.

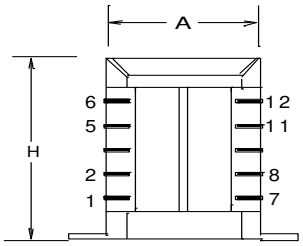
Safety:

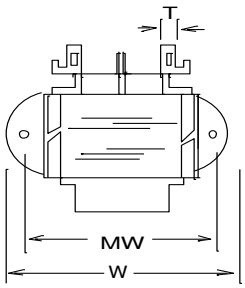
These units are designed with 4000VAC isolation between the primary and secondary, and also, between each winding and the core.

Agency File:

UL: File E53148, UL 5085-1 and 2 (formerly 506), General Purpose.
File E65390, UL5085-1 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: Unit: In inches

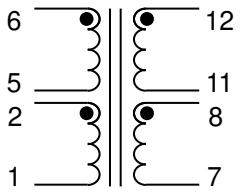
H	W	D	A	B	C	T	MW	ML
2-5/16	2-13/16	1-15/16	2	1-1/8	5/16	3/16	2-3/8	-

B. Mounting Hole Size: 3/16”
C. WT Lbs. : 1.25
D. Terminal Size: 0.187” x 0.020”

Connections[4]:

Input: Series – 6 and 1, Jumper 5 to 2
Parallel – 6 and 1, Jumper 6 to 2 and 5 to 1
Output: Series – 12 and 7, Jumper 11 to 8
Parallel – 12 and 7, Jumper 12 to 8 and 11 to 7

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.



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. Windings are not intended to be used independently.

Web: www.TriadMagnetics.com
Phone 951-277-0757
Fax 951-277-2757

460 Harley Knox Blvd.
Perris, California 92571

Release Date: August 27, 2021