



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## VPP24-2330

### Electrical Specifications (@25C)

1. Maximum Power: 56.0VA
2. Input: **Series**: 230VAC, 50/60Hz; **Parallel**: 115VAC, 50/60Hz
3. Output: **Series**<sup>1</sup>: 24.0V CT@ 2.33A; **Parallel**<sup>2</sup>: 12.0V @ 4.66A
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: Littelfuse p/n 313 2.5HXP, 2.5A 250V, slow blow,  $\frac{1}{4} \times 1 \frac{1}{4}$  or, Cooper Bussmann p/n BKMDL-2½, 2.5A 250V,  $\frac{1}{4} \times 1 \frac{1}{4}$
  - Parallel: Littelfuse p/n 313 5.0HXP, 5A 250V, slow blow,  $\frac{1}{4} \times 1 \frac{1}{4}$  or, Cooper Bussmann p/n BKMDL-5, 5A 250V,  $\frac{1}{4} \times 1 \frac{1}{4}$

### 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:



### 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<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 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

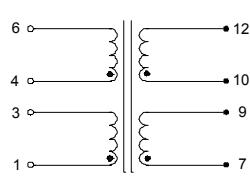
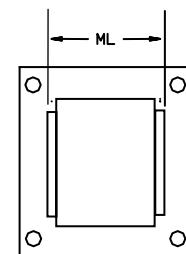
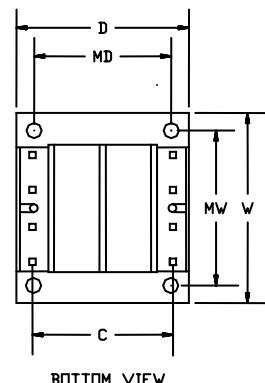
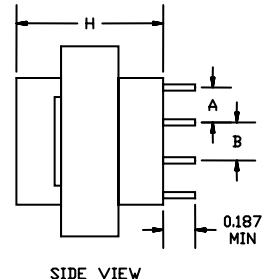
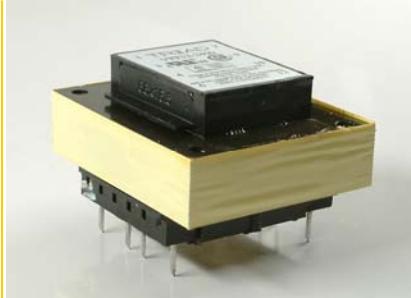
\* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

<sup>1</sup> Non-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. Winding are not intended to be used independently.



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