

### POWER TRANSFORMER PCMOUNT: SPLIT PACK

# FS48-023

### **Description:**

The FS48-023 is a dual primary and dual secondary, split bobbin design which operates with either a parallel input of 115V or a series input of 230V. The output voltage will be either 48.0V with a center-tap under a 0.023A load with the secondaries wired in series, or 24.0V under a 0.046A load with the secondaries wired in parallel. The split bobbin design eliminates the need for costly electrostatic shielding.

### Electrical Specifications (@25C)

1. Maximum Power: 1.1VA

Series: 230V; Parallel: 115V 2. Primary:

3. Secondary: Series: 48.0V CT@ 0.023A; Parallel: 24.0V @ 0.046A

4. Voltage Regulation: 25% TYP @ full load to no load

5. Temperature Rise: 25C TYP 6. Hipot tested 100% at 2500 VRMS

## **Construction:**

Three flange bobbin construction with primaries and secondaries wound side by side for low capacitive coupling.

### Agency File:

UL: File E53148, UL 5085-2 (506), Class B General Purpose Transformer, cUL: File E53148, UL 5085-2 (506), Class B General Purpose Transformer, Canadian Use (CSA 22.2, No.66.2-06)

This model is also available in Class 3, UL 5085-3 (1585) version as FS48-023-C2

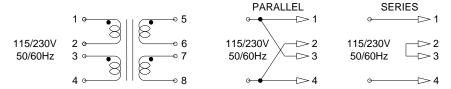


**Dimensions:** Units in inches.

Н	W	اـ	Α	В	C	D	Е	F
0.937	1.125	1.375	0.250	0.250	1.200	0.041	0.020	0.234

Weight: 0.17 lbs

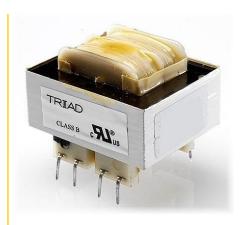
### **Schematic:**

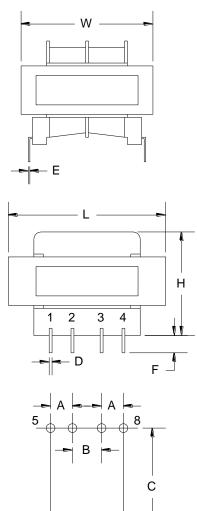


RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

As of April 7, 2008, UL standards 506 and 1585 will be migrated to UL 5085-2 and 5085-3, respectively.

\*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html





0.06" DIAMETER HOLE

**Board Layout** 

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