

## POWER TRANSFORMER PCMOUNT: SPLIT PACK

# FS24-1500

## **Description:**

The FS24-1500 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 24.0V with a center-tap under a 1.5A load with the secondaries wired in series, or 12.0V under a 3.0A load with the secondaries wired in parallel. The split bobbin design eliminates the need for costly electrostatic shielding.

# Electrical Specifications (@25C)

1. Maximum Power: 36.0VA

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

3. Secondary: Series: 24.0V CT@ 1.5A; Parallel: 12.0V @ 3.0A

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)

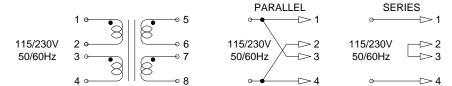
This model is also available in Class 2, UL 5085-3 (1585) version as FS24-1500-C2



**Dimensions:** Units in inches. W Е Н

1.562 2.187 2.625 0.400 0.400 1.850 0.041 0.020 0.234 Weight: 1.10 lbs

### **Schematic:**

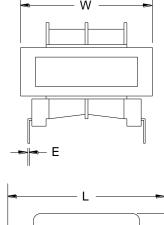


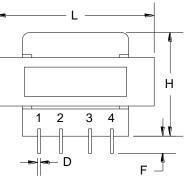
RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

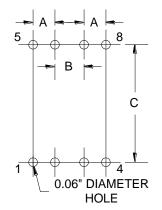
As of April 7, 2008, UL standards 506 and 1585 will be migrated to UL 5085-2 and 5085-3, respectively.

\*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/fag.html









**Board Layout**