

## POWER TRANSFORMER P.C. MOUNT: SPLIT PACK

# FS20-1800

#### **Description:**

The FS20-1800 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 20.0V with a center-tap under a 1.8A load with the secondaries wired in series, or 10.0V under a 3.6A 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: 20.0V CT@ 1.8A; Parallel: 10.0V @ 3.6A

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 FS20-1800-C2

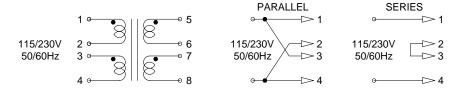


**Dimensions:** Units in inches.

Ι	W	L	Α	В	С	D	Е	F
1.562	2.187	2.625	0.400	0.400	1.850	0.041	0.020	0.234

Weight: 1.10 lbs

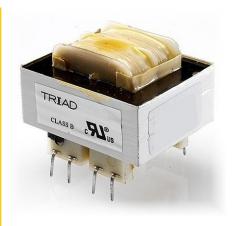
#### Schematic:

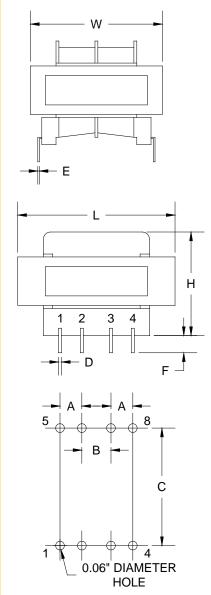


RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

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





**Board Layout** 

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