

### FS20-055

#### Description:

The FS20-055 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 0.055A load with the secondaries wired in series, or 10.0V under a 0.11A 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
2. Primary: Series: 230V; Parallel: 115V
3. Secondary: Series: 20.0V CT@ 0.055A; Parallel: 10.0V @ 0.11A
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 [FS20-050-C2](#)



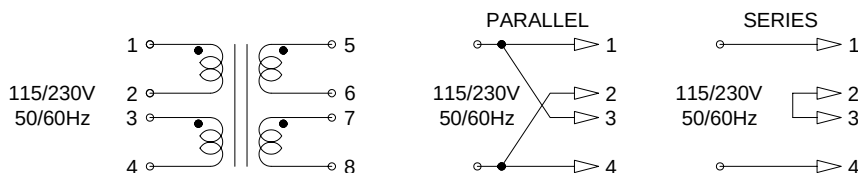
#### Dimensions:

Units in inches.

| H     | W     | L     | A     | B     | C     | D     | E     | F     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.937 | 1.125 | 1.375 | 0.250 | 0.250 | 1.200 | 0.041 | 0.020 | 0.234 |

Weight: 0.17 lbs

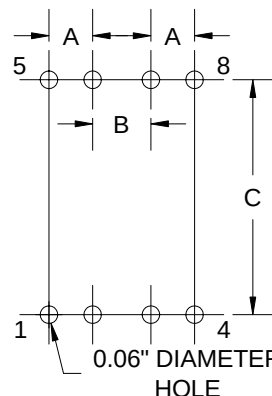
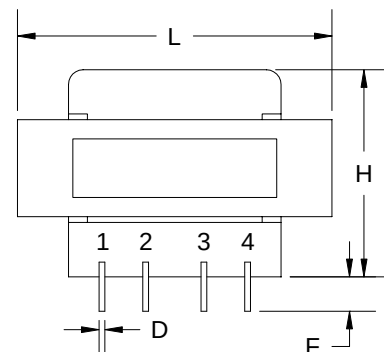
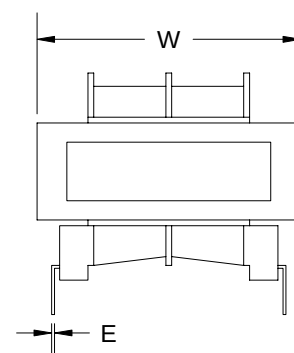
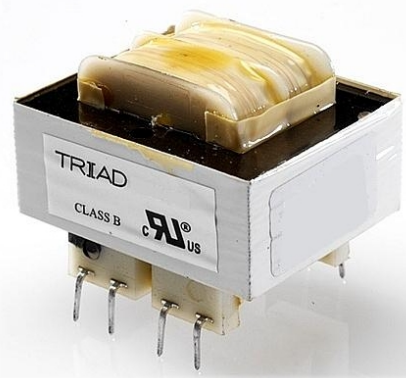
#### Schematic:



**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2002/95/EC, 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.



#### Board Layout

# AMEYA360

## Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email [amall@ameya360.com](mailto:amall@ameya360.com)

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

➤ Partnership :

Tel +86 (21) 64016692-8333

Email [mkt@ameya360.com](mailto:mkt@ameya360.com)