F48-023

Description:
The F48-023 is a single primary and dual secondary, split bobbin design which operates with an input of 115V. 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
2. Primary: 115V
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)

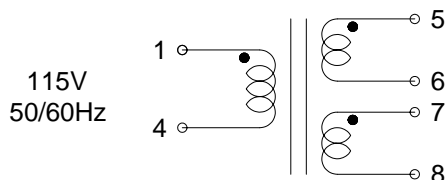This model is also available in Class 3, UL 5085-3 (1585) version as F48-023-C2

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:

115V
50/60Hz

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, respectably.

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

Board Layout

0.06" DIAMETER HOLE
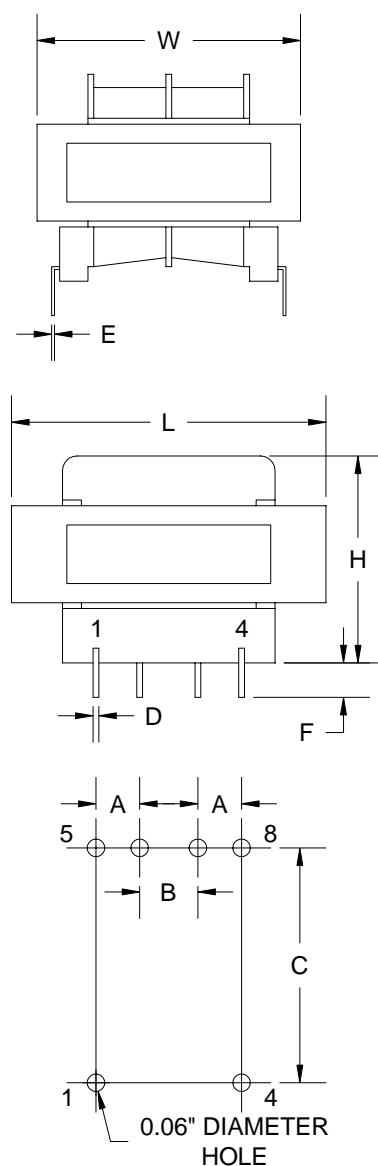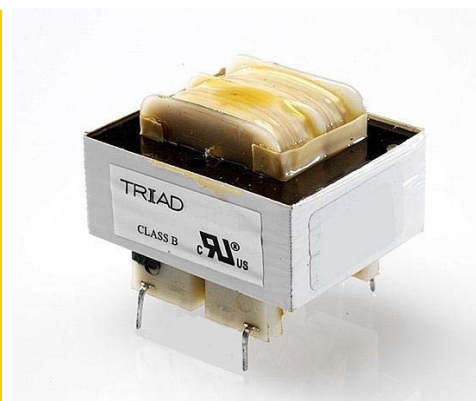
Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Triad Magnetics](#):
  [F48-023](#)