

F10-2000

Description:

The F10-2000 is a single primary and dual secondary, split bobbin design which operates with an input of 115V. The output voltage will be either 10.0V with a center-tap under a 2.0A load with the secondaries wired in series, or 5.0V under a 4.0A load with the secondaries wired in parallel. The split bobbin design eliminates the need for costly electrostatic shielding.

Electrical Specifications (@25C)

1. Maximum Power: 20.0VA
2. Primary: 115V
3. Secondary: Series: 10.0V CT@ 2.0A
Parallel: 5.0V @ 4.0A
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 [F10-2000-C2](#)



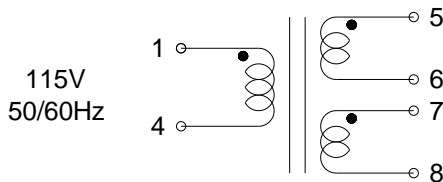
Dimensions:

Units in inches.

H	W	L	A	B	C	D	E	F
1.437	1.875	2.25	0.300	0.400	1.600	0.041	0.020	0.234

Weight: 0.80 lbs

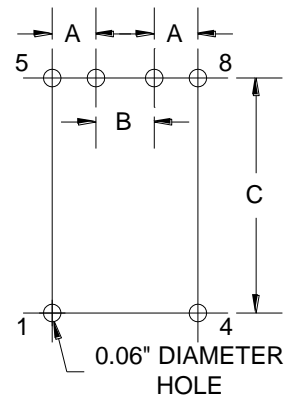
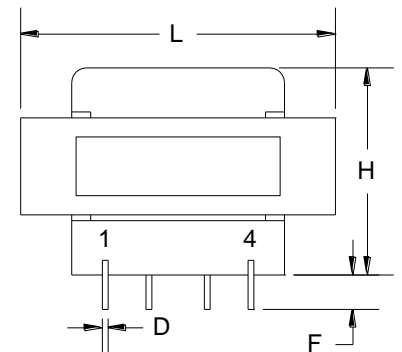
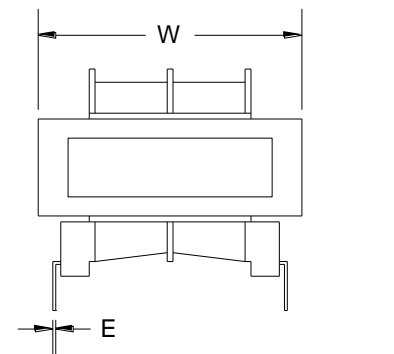
Schematic:



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.



Board Layout

F10-2000-C2

Description:

The F10-2000-C2 is a single primary and dual secondary, split bobbin design which operates with an input of 115V. The secondaries are 5V @ 2.0A each. They can be used independently (up to 300V difference between them) or in series for double the voltage or in parallel for double the current. The split bobbin design eliminates the need for costly electrostatic shielding.

Electrical Specifications (@25C)

1. Maximum Power: 20.0VA
2. Primary: 115V
3. Secondaries: 10.0V @ 2.0A each
4. Voltage Regulation: 25% TYP @ full load to no load
5. Temperature Rise: 25C TYP
6. Hipot tested 100% at 4200 VRMS pri to sec
7. Hipot tested 100% at 2160 VRMS sec to sec
8. Recommended fuse (fuse on primary): Cooper/Bussman, Type MDL, rated 500mA, 250V

Construction:

Three flange bobbin construction with primaries and secondaries wound side by side for low capacitive coupling. UL Class F Insulation System (155°C).

Agency File:

UL: File E65390, UL 5085-1 & 3 (1585), Class 2 Transformer
 cUL: File E65390, UL 5085-1 & 3 (1585) For Canadian Use (CSA 22.2, No.66.3-06)



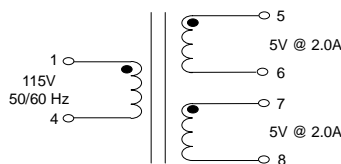
Dimensions:

Units in inches.

H	W	L	A	B	C	D	E	F
1.437	1.875	2.25	0.300	0.400	1.600	0.041	0.020	0.234

Weight: 0.80 lbs

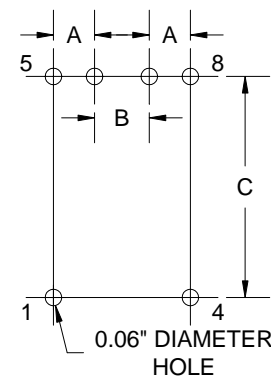
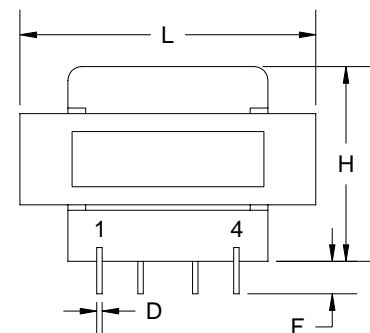
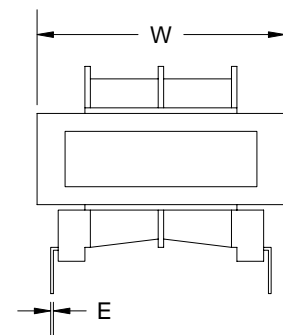
Schematic:



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

Note: Order and shipping documentation may have a "-B" suffix; this indicates Bulk packaging but does not show on the actual part number marked on the transformer.

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Board Layout