

# F48-400 Datasheet



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DiGi Electronics Part Number	F48-400-DG
Manufacturer	<a href="#">Triad Magnetics</a>
Manufacturer Product Number	F48-400
Description	PWR XFMR LAMINATED 20VA TH
Detailed Description	Transformers

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## Purchase and inquiry

Manufacturer Product Number:

F48-400

Series:

Split Pack™, Class 2/3, F

Type:

Laminated Core

Voltage - Secondary (Full Load):

Parallel 24V, Series 48V

Primary Winding(s):

Single

Center Tap:

No

Mounting Type:

Through Hole

Size / Dimension:

57.15mm L x 47.63mm W

Voltage - Isolation:

2500Vrms

Manufacturer:

Triad Magnetics

Product Status:

Active

Voltage - Primary:

115V

Current - Output (Max):

Parallel 800mA, Series 400mA

Secondary Winding(s):

Dual

Power - Max:

20VA

Termination Style:

PC Pin

Height - Seated (Max):

36.50mm

Weight:

0.8 lb (362.87 g)

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8504.31.4035

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99



## POWER TRANSFORMER PC MOUNT : SPLIT PACK

### F48-400

#### Description:

The F48-400 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 0.4A load with the secondaries wired in series, or 24.0V under a 0.8A 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: 48.0V CT @ 0.4A  
Parallel: 24.0V @ 0.8A
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 [F48-400-C2](#)



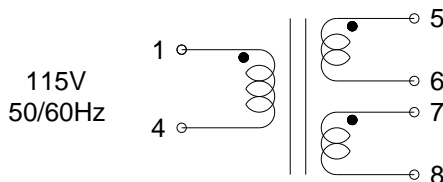
#### Dimensions:

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

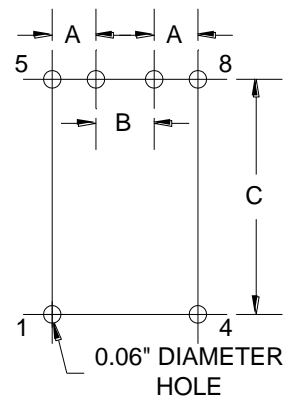
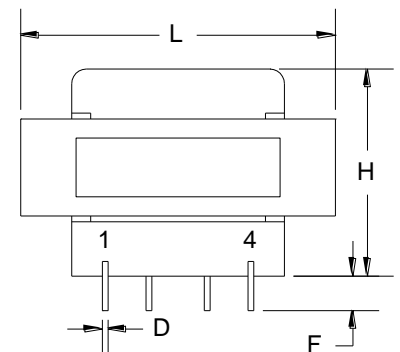
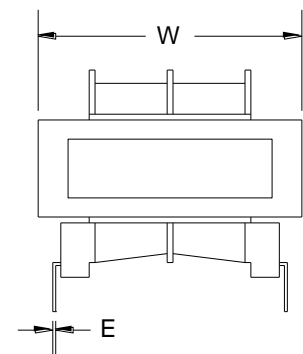
#### Schematic:



**RoHS Compliance:** As of manufacturing date February 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/faq.html>



#### Board Layout

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