

FS48-050 Datasheet



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DiGi Electronics Part Number	FS48-050-DG
Manufacturer	Triad Magnetics
Manufacturer Product Number	FS48-050
Description	PWR XFMR LAMINATED 2.5VA TH
Detailed Description	Transformers

This model FS48-050 is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

FS48-050

Series:

Split Pack™

Type:

Laminated Core

Voltage - Secondary (Full Load):

Parallel 24V, Series 48V

Primary Winding(s):

Dual

Center Tap:

No

Mounting Type:

Through Hole

Size / Dimension:

34.93mm L x 28.58mm W

Voltage - Isolation:

2500Vrms

Manufacturer:

Triad Magnetics

Product Status:

Active

Voltage - Primary:

115V, 230V

Current - Output (Max):

Parallel 100mA, Series 50mA

Secondary Winding(s):

Dual

Power - Max:

2.5VA

Termination Style:

PC Pin

Height - Seated (Max):

30.15mm

Weight:

0.25 lb (113.4 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**

FS48-050

Description:

The FS48-050 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 48.0V with a center-tap under a 0.05A load with the secondaries wired in series, or 24.0V under a 0.1A load with the secondaries wired in parallel. The split bobbin design eliminates the need for costly electrostatic shielding.

Electrical Specifications (@25C)

1. Maximum Power: 2.5VA
2. Primary: Series: 230V; Parallel: 115V
3. Secondary: Series: 48.0V CT@ 0.05A; Parallel: 24.0V @ 0.1A
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 [FS48-050-C2](#)



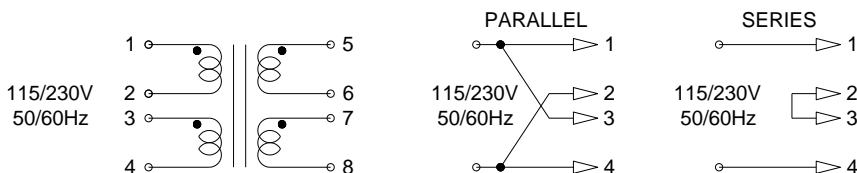
Dimensions:

Units in inches.

H	W	L	A	B	C	D	E	F
1.187	1.125	1.375	0.250	0.250	1.200	0.041	0.020	0.234

Weight: 0.25 lbs

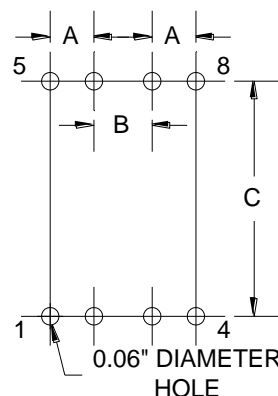
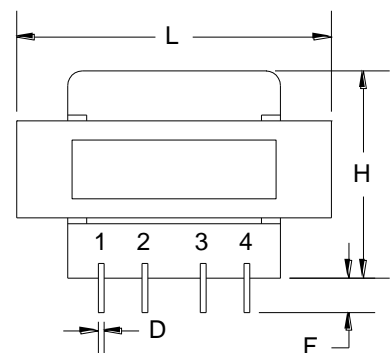
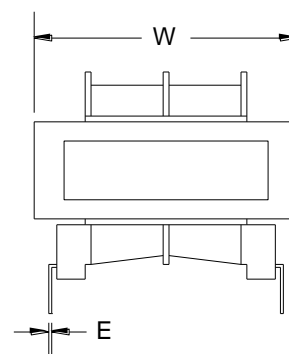
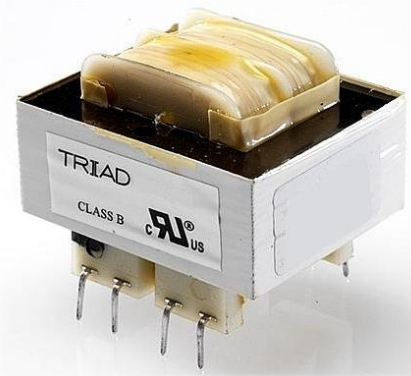
Schematic:



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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