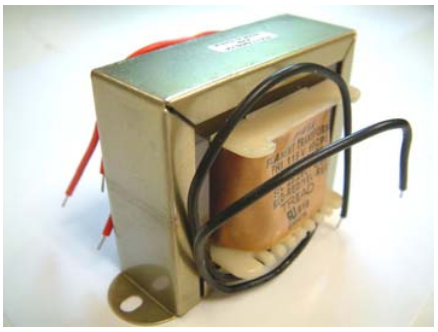
TRIAD MAGNETICS

POWER TRANSFORMER
Chassis Mount: Single Secondary

F-40X



Electrical Specifications (@25C)

1. Maximum Power: 26.8 VA
2. Primary: 115V 60 Hz
3. Secondary: 26.8VCT @ 1.00 Amps
4. Voltage Regulation: 15 % TYP @ full load to no load
5. Temperature Rise: 35C TYP (45C MAX allowed)

Description:

The F-40X is part of a series which has a long history of reliable service in the field, made from a proven design and constructed with UL recognized materials.

Construction:

Wound on a single channel nylon bobbin. Materials are UL recognized, Class B (130º C) rated.

Safety:

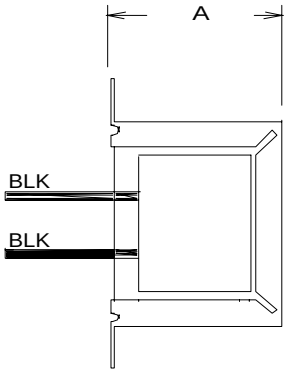
These products are 100% hipot tested with an insulation of 1500V between primary and secondary windings as well as between the primary / secondary windings and the core.

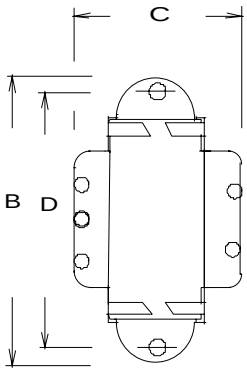
Dimensions:

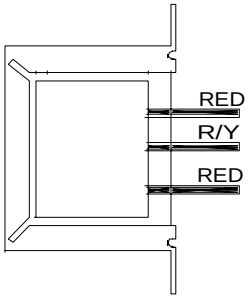
Units: In inches

A	B	C	D
1.937	3.312	2.00	2.812

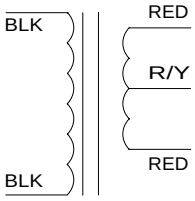
Mounting Hole Diameter: .187 in
Lead length: 7.0 inches ± 1 inch
Weight: 1.30 lbs







Schematic:

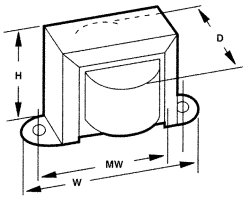


Primary: Black to Black
Secondary: Red to Red

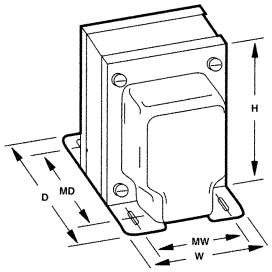
RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2002/95/EC, known as the RoHS initiative.

Power Transformers

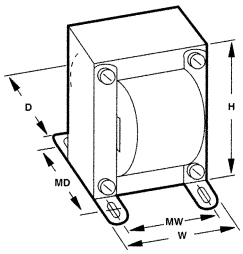
Chassis Mount: Single Secondary



Case Type X



Case Type A



Case Type U

:: Description

Triad offers a full choice of power supply transformers for direct use or in transformer, rectifier, or filter circuits. Other available secondary voltages include control, filament and low level signaling in standard values. The transformers are single primary with single and multiple secondaries in standard size and weight configurations.

:: Specifications

Primary: 115/230 V, 50/60 Hz

:: Single Secondary

	Type No.	Secondary Volts	Amps	Primary Voltage	RMS Test Voltage (Sec.)	Case Type	Connections	Dimensions H	W	D	Mounting Dimensions MW	MD	Wt. Lbs.
A	**F-1X#**	2.5 CT	3.0	115	1,500	X	Leads	1 1/8	2 13/16	1 1/8	2 3/8	•	0.68
	F-301X	2.5 CT	3.0	115/230	1,500	X	Leads	1 1/8	2 13/16	1 1/8	2 3/8	•	0.68
	F-6X#	2.5 CT	6.0	115	2,500	X	Leads	1 15/16	3 5/16	1 3/4	2 15/16	•	1.00
	F-3X#	2.5 CT	10.0	115	3,000	X	Leads	2 9/32	3 3/4	2 1/8	3 3/8	•	1.70
B	**F-7X**	5.0 CT	3.0	115	1,500	X	Leads	1 15/16	3 5/16	2	2 13/16	•	1.30
	F-8X	5.0 CT	6.0	115	1,500	X	Leads	2 9/32	3 3/4	2 1/8	3 3/8	•	1.70
	F-12X	5.0 CT	8.0	115	2,500	X	Leads	2 19/32	4	2 1/4	3 9/16	•	2.50
C	**F-13X**	6.3	0.6	115	1,500	X	Leads	1 1/8	2 3/8	1 1/8	2	•	0.37
	F-313X	6.3	0.6	115/230	1,500	X	Leads	1 1/8	2 3/8	1 1/8	2	•	0.37
	F-14X#	6.3 CT	1.2	115	2,500	X	Leads	1 1/8	2 13/16	1 1/8	2 3/8	•	0.70
	F-314X	6.3 CT	1.2	115/230	2,500	X	Leads	1 1/8	2 13/16	1 1/8	2 3/8	•	0.70
	F-16X	6.3 CT	3.0	115	2,500	X	Leads	1 15/16	3 5/16	2	2 13/16	•	1.30
	F-316X	6.3 CT	3.0	115/230	2,500	X	Leads	1 15/16	3 5/16	2	2 13/16	•	1.30
	F-43X#	6.3	4.0	115	1,500	X	Leads	1 15/16	3 5/16	2	2 13/16	•	1.25
	F-18X	6.3 CT	6.0	115	1,500	X	Leads	2 19/32	4	2 1/4	3 9/16	•	2.30
	F-318X	6.3 CT	6.0	115/230	1,500	X	Leads	2 9/32	4	2 1/4	3 9/16	•	2.30
	F-69X	6.3 CT	8.0	115	1,500	X	Leads	2 9/32	4	2 1/4	3 9/16	•	2.30
	F-21A	6.3 CT	10.0	115	1,500	A	1-Leads	3 19/32	2 31/32	3 1/8	2 1/4	2	3.80
	F-22A	6.3 CT	20.0	115	2,000	A	2-Leads	3 7/8	3 9/32	4 1/8	2 1/2	3	7.00
D	**F-28U†**	7.5 CT or 6.3 CT	25.0	115	3,000	U	Leads & Lugs	4 5/8	3 13/16	3 5/8	3	3 1/16	7.50
E	**F-180X**	10.0 CT	1.0	115	1,500	X	Leads	1 15/16	3 5/16	1 3/4	2 13/16	•	0.90
	F-31X	10.0 CT	3.0	115	2,000	X	Leads	2 9/32	3 3/4	2 1/8	3 3/8	•	1.70

 # 60 Hz †Tapped primary to produce lower voltages CT = Center Tap Mounting hole sizes: X = 3/16" U = 13/64 x 3/8" A = 3/8 x 3/16"

:: Single Secondary continued

Section	Type No.	Secondary Volts	Secondary Amps	Primary Voltage	RMS Test Voltage (Sec.)	Case Type	Connections	Dimensions H	Dimensions W	Dimensions D	Mounting Dimensions MW	Mounting Dimensions MD	Wt. Lbs.
A	F-57X	25.2 CT	1.000	117	1,500	X	Leads	1 15/16	3 9/16	2	2 13/16	•	1.50
	F-357X	25.2 CT	1.000	115/230	1,500	X	Leads	1 15/16	3 9/16	2	2 13/16	•	1.50
	F-41X#	25.2 CT	2.000	115	1,500	X	Leads	2 19/32	4	2 1/4	3 9/16	•	2.20
	F-341X	25.2 CT	2.000	115/230	1,500	X	Leads	2 19/32	4	2 1/4	3 9/16	•	2.20
	F-56X	25.2 CT	2.800	115	1,500	X	Leads	2 23/32	4	2 1/4	3 9/16	•	2.50
B	F-119X	26.8 CT	0.150	115	1,500	X	Leads	1 3/8	2 3/8	1 1/2	2	•	0.45
	F-40X#	26.8 CT	1.000	115	1,500	X	Leads	1 15/16	3 9/16	2	2 13/16	•	1.30
	F-340X	26.8 CT	1.000	115/230	1,500	X	Leads	1 15/16	3 9/16	2	2 13/16	•	1.30
	F-55X	26.8 CT	1.700	115	1,500	X	Leads	2 19/32	4	2 1/4	3 9/16	•	2.30
	F-355X	26.8 CT	1.700	115/230	1,500	X	Leads	2 19/32	4	2 1/4	3 9/16	•	2.30
C	F-122X	28.0 CT	0.175	115	1,500	X	Leads	1 3/8	2 3/8	1 1/2	2	•	0.35
	F-124X	28.0 CT	0.800	115	1,500	X	Leads	1 15/16	3 1/4	2	2 13/16	•	1.00
	F-184X	28.0 CT	1.000	115	1,500	X	Leads	2 7/16	3 11/16	2 1/4	3 1/8	•	1.40
	F-3185U	28.0 CT	2.000	115/230	1,500	X	Leads	3 1/16	2 1/2	2 7/16	2	2 1/4	2.90
	F-187U	28.0 CT	4.000	115	1,500	U	Leads	3 1/2	2 7/8	3 1/16	2 1/4	2 1/4	5.30
D	F-188X	35.0 CT	0.100	115	1,500	X	Leads	1 3/8	2 13/16	1 7/16	2 3/8	•	0.35
	F-228X#	35.0 CT	0.300	115	1,500	X	Leads	1 3/8	2 13/16	1 3/8	2 3/8	•	0.60
	F-189X	35.0 CT	0.500	115	1,500	X	Leads	2 7/16	3 11/16	1 15/16	3 1/8	•	1.00
	F-54X	35.0 CT	1.500	115	1,500	X	Leads	2 19/32	4	2 1/4	3 9/16	•	2.20
	F-354X	35.0 CT	1.500	115/230	1,500	X	Leads	2 19/32	4	2 1/4	3 9/16	•	2.20
	F-191U	35.0 CT	4.000	115	1,500	U	Leads	3 13/16	3 3/16	3 3/16	2 3/4	2 1/2	6.00
	F-268U	35.0 CT	8.000	115	1,500	U	Leads	4 1/2	3 3/4	4 1/4	3	3 1/4	11.00
E	F-270X	40.0 CT	1.000	115	1,500	X	Leads	2 7/16	4	2 1/4	3 5/16	•	2.60
	F-271U	40.0 CT	2.000	115	1,500	U	Leads	3 3/8	2 13/16	2 7/8	2 1/4	2 3/8	4.00
	F-272U	40.0 CT	4.000	115	1,500	U	Leads	3 3/4	3 1/8	3 1/2	2 1/2	2 7/8	6.40
	F-273U	40.0 CT	6.000	115	1,500	U	Leads	4 1/2	3 3/4	4	3	3	10.00
	F-275U	40.0 CT	10.000	115	1,500	U	Leads	5 3/8	4 3/8	4 1/2	3 1/2	3 3/8	14.50
F	F-59X	60.0 CT	0.400	115	1,500	X	Leads	1 15/16	3 5/16	2	2 13/16	•	1.30
	F-279U	60.0 CT	1.000	115	1,500	U	Leads	3	2 1/2	2 3/8	2	2 3/8	3.40
	F-280U	60.0 CT	2.000	115	1,500	U	Leads	3 3/4	3 1/8	3 1/8	2 1/2	2 3/8	5.60
	F-282U	60.0 CT	6.000	115	1,500	U	Leads	5 1/4	4 3/8	4 1/8	3 1/2	2 7/8	12.50

 # 60 Hz CT = Center Tap Mounting hole sizes: X = 3/16" U = 13/64 x 3/8"

:: Multiple Secondary

Section	Type No.	Secondary Volts	Secondary Amps	Primary Voltage	RMS Test Voltage (Sec.)	Case Type	Connections	Dimensions H	Dimensions W	Dimensions D	Mounting Dimensions MW	Mounting Dimensions MD	Wt. Lbs.
G	F-235Z#	12.0 CT	0.250	115	1,500	Z	Lugs	2	2 3/8	1 7/16	2	•	0.6
		12.0 CT	0.250										
	F-236Z#	12.0 CT	0.500	115	1,500	Z	Lugs	2 7/16	2 7/8	1 5/8	2 3/8	•	0.9
		12.0 CT	0.500										
	F-237Z#	12.0 CT	1.000	115	1,500	Z	Lugs	2 3/8	2 13/16	2 1/16	2 3/8	•	1.1
		12.0 CT	1.000										
H	F-241U#*f*	18.0 CT	1.000	115	1,500	U	Lugs	2 1/2	3	2 1/2	2 1/2	2	2.2
		18.0 CT	1.000										
	F-243U#*f*	18.0 CT	4.000	115	1,500	U	Lugs	3 1/2	4 1/8	3 1/4	3 7/16	2 1/4	5.2
		18.0 CT	4.000										
	F-244U#*f*	18.0 CT	8.000	115	1,500	U	Lugs	3 3/4	4 1/2	4	3 3/4	2 3/4	8.3
		18.0 CT	8.000										
I	F-195X	32.0 CT	0.250	115	1,500	X	Leads	2 1/4	3 3/4	1 7/8	3 1/8	•	1.3
		15.5 CT	0.750										
J	F-196U	32.0 CT	1.000	115	1,500	U	Leads	3 3/8	2 13/16	2 3/8	2 1/4	2 1/4	4.0
		15.5 CT	2.000										
K	F-197U	32.0 CT	1.000	115	1,500	U	Leads	3 3/4	3 1/8	2 5/16	2 1/2	2 1/4	4.7
		15.0 CT	4.0										
L	F-198U	32.0 CT	1.000	115	1,500	U	Leads	3 3/4	3 1/8	3 3/16	2 1/2	2 3/4	6.2
		15.0 CT	6.000										

f Wingdings may be connected in series to obtain their combined voltage when properly phased. Current will be equal to the current of the lowest winding. Example: Two 6.3 V windings @ 2A in series would be 12.6 V @ 2A. Wingdings may also be connected in parallel to obtain combined current. Example: Two 6.3 V windings @ 2A in parallel would be 6.3 V @ 4A. # 60 Hz CT = Center Tap Mounting hole sizes X = 3/16" U = 13/64 x 3/8" Z = 3/16"