TRIAD MAGNETICS

POWER TRANSFORMER
Chassis Mount: Single Secondary

F-22A

Electrical Specifications (@25C)

1. Maximum Power: 126.0 VA
2. Primary: 115V 50/60 Hz
3. Secondary: 6.3V @ 20.0 Amps
4. Voltage Regulation: 10 % TYP @ full load to no load
5. Temperature Rise: 35C TYP (45C MAX allowed)

Description:

The F-22A 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:

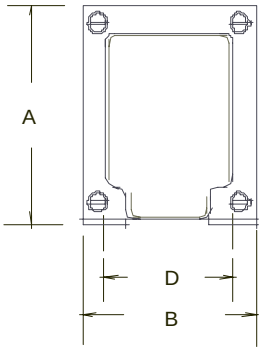
These products are 100% hipot tested with an insulation of 2000V between primary and secondary windings as well as between the primary / secondary windings and the core.

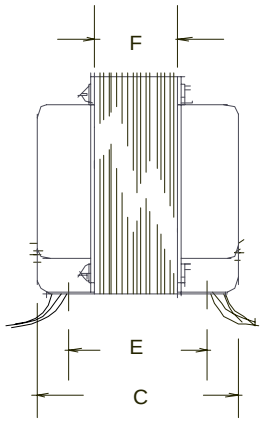
Dimensions:

Units: In inches

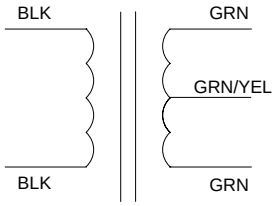
A	B	C	D	E	F
3.875	3.281	4.125	2.50	3.00	2.00

Lead length: 10.0 inches ± 1 inch
Weight: 7.0 lbs

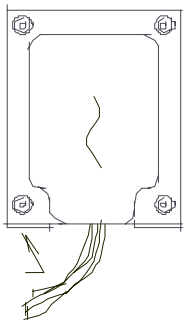




Schematic:



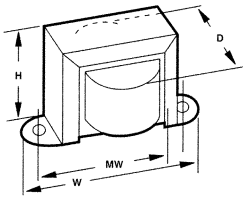
Primary: Black to Black
Secondary: Green to Green



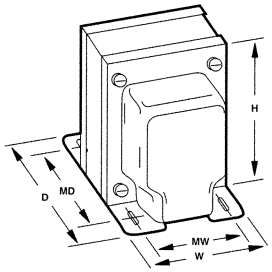
RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2002/95/EC, known as the RoHS initiative.

Power Transformers

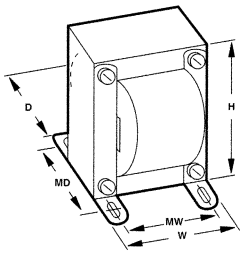
Chassis Mount: Single Secondary



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.

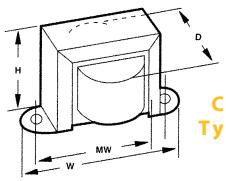
:: Specifications

Primary: 115/230 V, 50/60 Hz

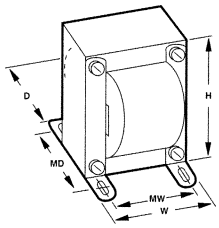
:: Single Secondary

	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 1/8	•	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 1/8	•	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 1/8	•	1.70

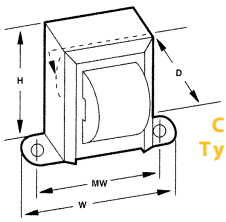
 # 60 Hz †Tapped primary to produce lower voltages CT = Center Tap Mounting hole sizes: X = 3/16" U = 13/64 x 3/8" A = 3/8 x 3/16"



Case Type X



Case Type U



Case Type Z

:: 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-96U**	10.0 CT	6.000	115	1,500	U	Leads	3	2½	2¾	2	2⁵⁄₁₆	2.10
	F-97U	10.0 CT	8.000	115	1,500	U	Leads	3⁷⁄₁₆	2¹³⁄₁₆	3	2¼	2½	4.00
B	**F-113X**	12.0	0.150	115	1,500	X	Leads	1⅜	2⅜	1⅜	2	•	0.40
	F-216X#	12.0	0.350	115	1,500	X	Leads	1⅜	2⅜	1⅜	2	•	0.37
	F-114X	12.0	0.700	115	1,500	X	Leads	1⅝	2¹³⁄₁₆	1⅜	2⅜	•	0.80
	F-217X#	12.0	1.200	115	1,500	X	Leads	2	3¼	1¾	2¹³⁄₁₆	•	1.00
	F-218X#	12.0	2.000	115	1,500	X	Leads	2	3¼	1⅞	2⅞	•	1.13
	F-219X#	12.0	4.000	115	1,500	X	Leads	2⁹⁄₁₆	4	2¼	3⁹⁄₁₆	•	2.30
	F-220U#	12.0	6.000	115	1,500	U	Leads	3⁷⁄₁₆	2¹³⁄₁₆	2½	2¼	2⅛	3.50
	F-221U#	12.0	8.000	115	1,500	U	Leads	3¹³⁄₁₆	3⅛	2⅜	2½	2⅛	4.00
C	**F-29U†**	12.0 CT or 11.0 CT or 10.0 CT	11.0	115	3,000	U	Leads	4⅜	3½	3⅜	2¾	2⁹⁄₁₆	6.50
D	**F-70X**	12.6 CT	1.000	115	1,500	X	Leads	1¹⁵⁄₁₆	3⁵⁄₁₆	1¾	2¹³⁄₁₆	•	1.30
	F-25X	12.6 CT	1.500	115	1,500	X	Leads	1¹⁵⁄₁₆	3⁵⁄₁₆	2	2¹³⁄₁₆	•	1.30
	F-325X	12.6 CT	1.500	115/230	1,500	X	Leads	1¹⁵⁄₁₆	3⁵⁄₁₆	2	2¹³⁄₁₆	•	1.30
	F-44X#	12.6 CT	2.000	115	1,500	X	Leads	1¹⁵⁄₁₆	3⁵⁄₁₆	2	2¹³⁄₁₆	•	1.25
	F-344X	12.6 CT	2.000	115/230	1,500	X	Leads	1¹⁵⁄₁₆	3⁵⁄₁₆	2	2¹³⁄₁₆	•	1.25
	F-26X#	12.6 CT	2.500	115	1,500	X	Leads	2³⁄₃₂	3¹¹⁄₁₆	2	3⅛	•	1.55
	F-326X	12.6 CT	2.500	115/230	1,500	X	Leads	2³⁄₃₂	3¹¹⁄₁₆	2	3⅛	•	1.55
	F-224X#	12.6	3.000	115	1,500	X	Leads	2¼	3¾	2⅛	3⅛	•	1.60
	F-225X#	12.6	4.000	115	1,500	X	Leads	2⅞	4	2⁹⁄₁₆	3⁹⁄₁₆	•	2.30
	F-3181U	12.6 CT	4.000	115/230	1,500	U	Leads	3⁹⁄₁₆	2⁹⁄₁₆	2⁹⁄₁₆	2	2	2.30
	F-182U	12.6 CT	6.000	115	1,500	U	Leads	3⅜	2¹³⁄₁₆	1⁷⁄₁₆	2¼	2⅜	3.80
	F-183U	12.6 CT	8.000	115	1,500	U	Leads	3¹³⁄₁₆	3⁵⁄₁₆	2¹⁵⁄₁₆	2½	2¼	5.00
E	**F-112X**	14.0 CT	0.250	115	1,500	X	Leads	1⅜	2⅜	1⅜	2	•	0.40
	F-3112X	14.0 CT	0.250	115/230	1,500	X	Leads	1⅜	2⅜	1½	2	•	0.30
	F-250X	14.0 CT	1.000	115	1,500	X	leads	1¹⁵⁄₁₆	3¼	1¾	2¹³⁄₁₆	•	1.20
	F-251X	14.0 CT	2.000	115	1,500	X	Leads	2¼	3¹¹⁄₁₆	1¹⁵⁄₁₆	3⅛	•	1.50
	F-252U	14.0 CT	4.000	115	1,500	U	Leads	3	2½	2⁷⁄₁₆	2	2¼	3.00
	F-253U	14.0 CT	6.000	115	1,500	U	Leads	3⅜	2¹³⁄₁₆	2⅞	2¼	2⅜	4.00
F	**F-254X**	20.0 CT	1.000	115	1,500	X	Leads	2¼	3¹¹⁄₁₆	1¹⁵⁄₁₆	3⅛	•	1.50
	F-255X	20.0 CT	2.000	115	1,500	X	Leads	2⁹⁄₁₆	4	2¼	3⁹⁄₁₆	•	2.50
	F-256U	20.0 CT	4.000	115	1,500	U	Leads	3⅜	2¹³⁄₁₆	2⅞	2⅜	•	4.00
	F-257U	20.0 CT	6.000	115	1,500	U	Leads	3¾	3⅛	3⅛	2½	2⅜	5.70
	F-258U	20.0 CT	8.000	115	1,500	U	Leads	3¾	3⅛	3½	2½	2⅞	6.40
	F-259U	20.0 CT	10.000	115	1,500	U	Leads	4⅛	3⁷⁄₁₆	3½	2¾	2¾	7.40
G	**F-115X**	24.0 CT	0.085	115	1,500	X	Leads	1³⁄₁₆	2¹⁄₁₆	1⅜	1¾	•	0.30
	F-3115X	24.0 CT	0.085	115/230	1,500	X	Leads	1³⁄₁₆	2¹⁄₁₆	1⅜	1¾	•	0.30
	F-116X	24.0 CT	0.200	115	1,500	X	Leads	1⅜	2⅜	1½	2	•	0.45
	F-3116X	24.0 CT	0.200	115/230	1,500	X	Leads	1⅜	2⅜	1½	2	•	0.45
	F-117X	24.0 CT	0.400	115	1,500	X	Leads	1⅝	2¹³⁄₁₆	1⅜	2⅜	•	0.80
	F-3117X	24.0 CT	0.400	115/230	1,500	X	Leads	1⅝	2¹³⁄₁₆	1½	2⅜	•	0.75
	F-118X	24.0 CT	0.700	115	1,500	X	Leads	2	3¼	2	2¹³⁄₁₆	•	1.30
	F-3118X	24.0 CT	0.700	115/230	1,500	X	Leads	2	3¼	2	2¹³⁄₁₆	•	1.30
	F-45X#	24.0 CT	1.000	115	1,500	X	Leads	1¹⁵⁄₁₆	3⁵⁄₁₆	2	2¹³⁄₁₆	•	1.30
	F-345X	24.0 CT	1.000	115/230	1,500	X	Leads	1¹⁵⁄₁₆	3⁵⁄₁₆	2	2¹³⁄₁₆	•	1.30
	F-46X#	24.0	1.000	115	1,500	X	Leads	1¹⁵⁄₁₆	3¼	2⅛	2¹³⁄₁₆	•	1.40
	F-229X#	24.0	2.000	115	1,500	X	Leads	2⁹⁄₁₆	4	2	3⁹⁄₁₆	•	2.30
	F-192X	24.0 CT	2.000	115	1,500	X	Leads	2¹⁹⁄₃₂	4	2¼	3⁹⁄₁₆	•	2.30
	F-193U	24.0 CT	4.000	115	1,500	U	Leads	2¹³⁄₁₆	3⅜	2¹³⁄₁₆	2½	2⅛	4.00
	F-260U	24.0 CT	6.000	115	1,500	U	Leads	3¾	3⅛	3½	2½	2⅞	6.40
	F-261U	24.0 CT	8.000	115	1,500	U	Leads	4⅛	3⁷⁄₁₆	3½	2¾	2¾	7.40
	F-401U	24.0 CT	10.000	115	1,500	U	Leads	4⅛	3⁷⁄₁₆	3¾	2¾	3	8.00
	F-226U#	24.0 CT	12.000	115	1,500	U	Leads	4⁹⁄₁₆	3¾	4⅛	3	3¼	10.40
	F-1000U	24.0 CT	21.000	115/230	1,500	U	Leads	4⁹⁄₁₆	3¾	4⅛	3	3¼	10.40

 # 60 Hz †Tapped primary to produce lower voltages CT = Center Tap Mounting hole sizes: U = ¹³⁄₆₄ x ⅜" X = ⁹⁄₁₆"