

SINGLE SECONDARY

Type No.	Volts	Secondary		RMS Test Voltage (Sec.)	Case Type	Connections	Dimensions			Mounting Dimensions		Wt. Lbs.
		Amps	Primary Voltage				H	W	D	MW	MD	
F-1X*	2.5 CT	3.0	115	1500	X	Leads	1 5/8	2 13/16	1 5/8	2 3/8	-	0.68
F-301X	2.5 CT	3.0	115/230	1500	X	Leads	1 5/8	2 13/16	1 5/8	2 3/8	-	0.68
F-6X*	2.5 CT	6.0	115	2500	X	Leads	1 15/16	3 5/16	1 3/4	2 13/16	-	1.0
F-3X*	2.5 CT	10.0	115	3000	X	Leads	2 9/32	3 3/4	2 1/8	3 1/8	-	1.7
F-7X	5.0 CT	3.0	115	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-8X	5.0 CT	6.0	115	1500	X	Leads	2 9/32	3 3/4	2 1/8	3 1/8	-	1.7
F-12X	5.0 CT	8.0	115	2500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.5
F-13X	6.3	0.6	115	1500	X	Leads	1 3/8	2 3/8	1 3/8	2	-	0.37
F-313X	6.3	0.6	115/230	1500	X	Leads	1 3/8	2 3/8	1 3/8	2	-	0.37
F-14X*	6.3 CT	1.2	115	2500	X	Leads	1 5/8	2 13/16	1 5/8	2 3/8	-	0.7
F-314X	6.3 CT	1.2	115/230	2500	X	Leads	1 5/8	2 13/16	1 5/8	2 3/8	-	0.7
F-16X	6.3 CT	3.0	115	2500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-316X	6.3 CT	3.0	115/230	2500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-43X*	6.3	4.0	115	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.25
F-18X	6.3 CT	6.0	115	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.3
F-318X	6.3 CT	6.0	115/230	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.3
F-69X	6.3 CT	8.0	115	1500	X	Leads	2 9/16	4	2 1/4	3 9/16	-	2.3
F-21A	6.3 CT	10.0	115	1500	A	1-Leads	3 19/32	2 31/32	3 1/8	2 1/4	2	3.8
F-22A	6.3 CT	20.0	115	2000	A	2-Leads	3 7/8	3 9/32	4 1/8	2 1/2	3	7.0
F-28U**	7.5 CT or 6.3 CT	25.0	115	3000	U	Leads & Lugs	4 5/8	3 13/16	3 5/8	3	3 1/16	7.5
F-180X	10.0 CT	1.0	115	1500	X	Leads	1 15/16	3 5/16	1 3/4	2 13/16	-	0.9
F-31X	10.0 CT	3.0	115	2000	X	Leads	2 9/32	3 3/4	2 1/8	3 1/8	-	1.7
F-96U	10.0 CT	6.0	115	1500	U	Leads	3	2 1/2	2 3/4	2	2 5/16	2.1
F-97U	10.0 CT	8.0	115	1500	U	Leads	3 7/16	2 13/16	3	2 1/4	2 1/2	4.0

F-113X	12.0	0.15	115	1500	X	Leads	1 3/8	2 3/8	1 3/8	2	-	0.4
F-235Z	12.0 CT	0.25	115	1500	Z	Lugs	2	23/8	17/16	2	-	0.6
F-216X*	12.0	0.35	115	1500	X	Leads	1 3/8	2 3/8	1 3/8	2	-	0.37
F-236Z	12.0 CT	0.5	115	1500	Z	Lugs	25/16	27/8	15/8	23/8	-	0.9
F-114X	12.0	0.7	115	1500	X	Leads	1 5/8	2 13/16	1 5/8	2 3/8	-	0.8
F-237Z	12.0 CT	1.0	115	1500	Z	Lugs	23/8	213/16	21/16	23/8	-	1.1
F-217X*	12.0	1.2	115	1500	X	Leads	2	3 1/4	1 3/4	2 13/16	-	1.0
F-218X*	12.0	2.0	115	1500	X	Leads	2	3 1/4	1 7/8	2 7/8	-	1.13
F-219X*	12.0	4.0	115	1500	X	Leads	2 9/16	4	2 1/4	3 9/16	-	2.3
F-220U*	12.0	6.0	115	1500	U	Leads	3 7/16	2 13/16	2 1/2	2 1/4	2 1/8	3.5
F-221U*	12.0	8.0	115	1500	U	Leads	3 13/16	3 1/8	2 3/8	2 1/2	2 1/8	4.0
F-29U**	12.0 CT or 11.0 C	11.0	115	3000	U	Leads	4 3/8	3 1/2	3 3/8	2 3/4	2 9/16	6.5
F-70X	12.6 CT	1.0	115	1500	X	Leads	1 15/16	3 5/16	1 3/4	2 13/16	-	1.3
F-25X	12.6 CT	1.5	115	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-325X	12.6 CT	1.5	115/230	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-344X	12.6 CT	2.0	115/230	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.25
F-44X*	12.6 CT	2.0	115	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.25
F-26X*	12.6 CT	2.5	115	1500	X	Leads	2 9/32	3 11/16	2	3 1/8	-	1.55
F-326X	12.6 CT	2.5	115/230	1500	X	Leads	2 9/32	3 11/16	2	3 1/8	-	1.55
F-224X*	12.6	3.0	115	1500	X	Leads	2 1/4	3 3/4	2 1/8	3 1/8	-	1.6
F-225X*	12.6	4.0	115	1500	X	Leads	2 5/8	4	2 1/16	3 9/16	-	2.3
F-3181U	12.6 CT	4.0	115/230	1500	U	Leads	3 1/16	2 9/16	2 3/16	2	2	2.3
F-182U	12.6 CT	6.0	115	1500	U	Leads	3 3/8	2 13/16	2 7/16	2 1/4	2 3/8	3.8
F-183U	12.6 CT	8.0	115	1500	U	Leads	3 13/16	3 3/16	2 15/16	2 1/2	2 1/4	5.0
F-112X	14.0 CT	0.25	115	1500	X	Leads	1 3/8	2 3/8	1 3/8	2	-	0.4
F-3112X	14.0 CT	0.25	115/230	1500	X	Leads	1 3/8	2 3/8	1 1/2	2	-	0.3
F-250X	14.0 CT	1.0	115	1500	X	Leads	1 15/16	3 1/4	1 3/4	2 13/16	-	1.2
F-251X	14.0 CT	2.0	115	1500	X	Leads	2 1/4	3 11/16	1 15/16	3 1/8	-	1.5
F-252U	14.0 CT	4.0	115	1500	U	Leads	3	2 1/2	2 7/16	2	2 1/4	3.0

F-253U	14.0 CT	6.0	115	1500	U	Leads	3 3/8	2 13/16	2 7/8	2 1/4	2 3/8	4.0
F-241U	18.0 CT	1.0	115	1500	U	Lugs	21/2	3	21/2	21/2	-	2.2
F-243U	18.0 CT	2.8	115	1500	U	Lugs	31/2	41/8	31/4	37/16	-	5.2
F-244U	18.0 CT	4.0	115	1500	U	Lugs	33/4	41/2	4	33/4	-	8.3
F-254X	20.0 CT	1.0	115	1500	X	Leads	2 1/4	3 11/16	1 15/16	3 1/8	-	1.5
F-255X	20.0 CT	2.0	115	1500	X	Leads	2 9/16	4	2 1/4	3 9/16	-	2.5
F-256U	20.0 CT	4.0	115	1500	U	Leads	3 3/8	2 13/16	2 7/8	2 3/8	-	4.0
F-257U	20.0 CT	6.0	115	1500	U	Leads	3 3/4	3 1/8	3 1/8	2 1/2	2 5/8	5.7
F-258U	20.0 CT	8.0	115	1500	U	Leads	3 3/4	3 1/8	3 1/2	2 1/2	2 7/8	6.4
F-259U	20.0 CT	10.0	115	1500	U	Leads	4 1/8	3 7/16	3 1/2	2 3/4	2 3/4	7.4
F-115X	24.0 CT	0.085	115	1500	X	Leads	1 3/16	2 1/16	1 3/8	1 3/4	-	0.3
F-3115X	24.0 CT	0.085	115/230	1500	X	Leads	1 3/16	2 1/16	1 3/8	1 3/4	-	0.3
F-116X	24.0 CT	0.2	115	1500	X	Leads	1 3/8	2 3/8	1 1/2	2	-	0.45
F-3116X	24.0 CT	0.2	115/230	1500	X	Leads	1 3/8	2 3/8	1 1/2	2	-	0.45
F-117X	24.0 CT	0.4	115	1500	X	Leads	1 5/8	2 13/16	1 5/8	2 3/8	-	0.8
F-3117X	24.0 CT	0.4	115/230	1500	X	Leads	1 5/8	2 13/16	1 1/2	2 3/8	-	0.75
F-118X	24.0 CT	0.7	115	1500	X	Leads	2	3 1/4	2	2 13/16	-	1.3
F-3118X	24.0 CT	0.7	115/230	1500	X	Leads	2	3 1/4	2	2 13/16	-	1.3
F-345X	24.0 CT	1.0	115/230	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-45X*	24.0 CT	1.0	115	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-46X*	24.0	1.0	115	1500	X	Leads	1 15/16	3 1/4	2 1/8	2 13/16	-	1.4
F-192X	24.0 CT	2.0	115	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.3
F-229X*	24.0	2.0	115	1500	X	Leads	2 9/16	4	2	3 9/16	-	2.3
F-193U	24.0 CT	4.0	115	1500	U	Leads	3 13/16	3 1/8	2 13/16	2 1/2	2 1/8	4.0
F-260U	24.0 CT	6.0	115	1500	U	Leads	3 3/4	3 1/8	3 1/2	2 1/2	2 7/8	6.4
F-261U	24.0 CT	8.0	115	1500	U	Leads	4 1/8	3 7/16	3 1/2	2 3/4	2 3/4	7.4
F-401U	24.0 CT	10.0	115	1500	U	Leads	4 1/8	3 7/16	3 3/4	2 3/4	3	8.0
F-226U*	24.0 CT	12.0	115	1500	U	Leads	4 9/16	3 3/4	4 1/8	3	3 1/4	10.4
F-357X	25.2 CT	1.0	115/230	1500	X	Leads	1 15/16	3 9/16	2	2 13/16	-	1.5

F-57X	25.2 CT	1.0	117	1500	X	Leads	1 15/16	3 9/16	2	2 13/16	-	1.5
F-341X	25.2 CT	2.0	115/230	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.2
F-41X*	25.2 CT	2.0	115	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.2
F-56X	25.2 CT	2.8	115	1500	X	Leads	2 21/32	4	2 1/4	3 9/16	-	2.5
F-119X	26.8 CT	0.15	115	1500	X	Leads	1 3/8	2 3/8	1 1/2	2	-	0.45
F-340X	26.8 CT	1.0	115/230	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-40X*	26.8 CT	1.0	115	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-355X	26.8 CT	1.7	115/230	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.3
F-55X	26.8 CT	1.7	115	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.3
F-122X	28.0 CT	0.175	115	1500	X	Leads	1 3/8	2 3/8	1 1/2	2	-	0.35
F-124X	28.0 CT	0.8	115	1500	X	Leads	1 15/16	3 1/4	2	2 13/16	-	1.0
F-184X	28.0 CT	1.0	115	1500	X	Leads	2 5/16	3 11/16	2 1/4	3 1/8	-	1.4
F-3185U	28.0 CT	2.0	115/230	1500	X	Leads	3 1/16	2 1/2	2 7/16	2	2 1/4	2.9
F-187U	28.0 CT	4.0	115	1500	U	Leads	31/2	2 7/8	3 1/16	2 1/4	2 3/4	5.3
F-195X	32.0 CT	0.250	115	1500	X	Leads	21/4	33/4	17/8	31/8	-	1.3
F-196U	32.0 CT	1.0	115	1500	U	Leads	33/8	23/16	25/8	21/4	-	4.0
F-197U	32.0 CT	1.0	115	1500	U	Leads	33/4	31/8	215/16	21/2	-	4.7
F-198U	32.0 CT	1.0	115	1500	U	Leads	33/4	31/8	33/16	21/2	-	6.2
F-188X	35.0 CT	0.1	115	1500	X	Leads	1 5/8	2 13/16	1 7/16	2 3/8	-	0.35
F-228X*	35.0 CT	0.3	115	1500	X	Leads	1 5/8	2 13/16	1 5/8	2 3/8	-	0.6
F-189X	35.0 CT	0.5	115	1500	X	Leads	2 5/16	3 11/16	1 15/16	3 1/8	-	1.0
F-354X	35.0 CT	1.5	115/230	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.2
F-54X	35.0 CT	1.5	115	1500	X	Leads	2 19/32	4	2 1/4	3 9/16	-	2.2
F-191U	35.0 CT	4.0	115	1500	U	Leads	3 13/16	3 3/16	3 3/16	2 3/4	2 1/2	6.0
F-268U	35.0 CT	8.0	115	1500	U	Leads	4 1/2	3 3/4	4 1/4	3	3 1/4	11.0
F-270X	40.0 CT	1.0	115	1500	X	Leads	2 9/16	4	2 1/4	3 9/16	-	2.6
F-271U	40.0 CT	2.0	115	1500	U	Leads	3 3/8	2 13/16	2 7/8	2 1/4	2 3/8	4.0
F-272U	40.0 CT	4.0	115	1500	U	Leads	3 3/4	3 1/8	3 1/2	2 1/2	2 7/8	6.4
F-273U	40.0 CT	6.0	115	1500	U	Leads	4 1/2	3 3/4	4	3	3	10.0

F-275U	40.0 CT	10.0	115	1500	U	Leads	5 3/8	4 3/8	4 1/2	3 1/2	3 3/8	14.5
F-59X	60.0 CT	0.4	115	1500	X	Leads	1 15/16	3 5/16	2	2 13/16	-	1.3
F-279U	60.0 CT	1.0	115	1500	U	Leads	3	2 1/2	2 5/8	2	2 3/8	3.4
F-280U	60.0 CT	2.0	115	1500	U	Leads	3 3/4	3 1/8	3 1/8	2 1/2	2 5/8	5.6
F-282U	60.0 CT	6.0	115	1500	U	Leads	5 1/4	4 3/8	4 1/8	3 1/2	2 7/8	12.5

CT = Center Tap

*60 Hz

**Tapped primary to produce lower voltages

Mounting hole sizes: X=3/16" U=13/64x3/8" A=3/8x3/16"

MULTIPLE SECONDARY

Type No.	Secondary		Primary Voltage	RMS Test Voltage (Sec.)	Case Type	Connections	Dimensions			Mounting Dimensions		Wt.
	Volts	Amps					H	W	D	MW	MW	
F-235Z#	12.0 CT	0.25	115	1,500	Z	Lugs	2	2 3/8	1 7/16	2	-	0.6
F-236Z#	12.0 CT	0.5	115	1,500	Z	Lugs	2 5/16	2 7/8	1 5/8	2 3/8	-	0.9
F-237Z#	12.0 CT	1.0	115	1,500	Z	Lugs	2 3/8	2 13/16	2 1/16	2 3/8	-	1.1
F-241U#f	18.0 CT	1.0	115	1,500	U	Lugs	2 1/2	3	2 1/2	2 1/2	2	2.2
F-243U#f	18.0 CT	4.0	115	1,500	U	Lugs	3 1/2	4 1/8	3 1/4	3 7/16	2 1/4	5.2
F-244U#f	18.0 CT	8.0	115	1,500	U	Lugs	3 3/4	4 1/2	4	3 3/4	2 3/4	8.3
F195X	32.0 CT	0.250	115	1,500	X	Leads	2 1/4	3 3/4	1 7/8	3 1/8	-	1.3
F195X	15.5 CT	0.750	115	1,500	X	Leads	2 1/4	3 3/4	1 7/8	3 1/8	-	1.3
F196U	32.0 CT	1.0	115	1,500	U	Leads	3 3/8	2 13/16	2 5/8	2 1/4	2 1/4	4.0
F196U	15.5 CT	2.0	115	1,500	U	Leads	3 3/8	2 13/16	2 5/8	2 1/4	2 1/4	4.0
F197U	32.0 CT	1.0	115	1,500	U	Leads	3 3/4	3 1/8	2 15/16	2 1/2	2 1/4	4.7
F197U	15.5 CT	4.0	115	1,500	U	Leads	3 3/4	3 1/8	2 15/16	2 1/2	2 1/4	4.7
F198U	32.0 CT	1.0	115	1,500	U	Leads	3 3/4	3 1/8	3 3/16	2 1/2	2 3/4	6.2
F198U	15.5 CT	6.0	115	1,500	U	Leads	3 3/4	3 1/8	3 3/16	2 1/2	2 3/4	6.2

CT = Center Tap

f Winding 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.

Windings may also be connected in parallel to obtain combined current. Example: Two 6.3 V @ 4A.

#60 Hz

Mounting hole sizes: X=3/16" U=13/64x3/8" Z=3/16"

