



TRANSFORMERS



This group of transformers and filter reactors are designed to meet the full requirements of MIL-T-27A specifications, and are hermetically sealed in standard MIL-T-27A case sizes. They provide the highest standard of quality necessary for military and professional requirements.

The range includes the specific types standardized by the Armed Services Standards Agency as well as a group of standard types for 400 cycle power supplies.

Transformers and reactors meeting MIL-T-27A specifications Grade 1 through 6, Class Q, S, T, or U can be supplied on special order.

A wide range of transformers and reactors of all varieties are regularly manufactured, including the more economical types for commercial use.

If the ratings you require are not listed, we can offer prompt competitive quotations on designs to your specifications.

All manufacturing, testing and inspection in accordance with applicable requirements of Military Specifications.

MILITARY STANDARD FILAMENT TRANSFORMERS Input 105/115/125 Volts 60 Cycles ± 10%

Cat. No.	MIL Types	Military Standards No.	Sec. Volts	Sec. Amps	Test Volts	Case	Wt. Lbs.	List Price
FMF 20	TF1RX01EB002 or TF4RX01EB002	MS90016-1 or 2	2.5	3	2500	EB	1	\$16.80
FMF 21	TF1RX01GB003 or TF4RX01GB003	MS90017-1 or 2	2.5	10	2500	GB	2.125	22.60
FMF 22	TF1RX01FB004 or TF4RX01FB004	MS90018-1 or 2	5.0	3	2500	FB	1.5	18.50
FMF 23	TF1RX01HB005 or TF4RX01HB005	MS90019-1 or 2	5.0	10	2500	HB	3.125	24.60
FMF 24	TF1RX01FB006 or TF4RX01FB006	MS90020-1 or 2	6.3	2	2500	FB	1.25	18.50
FMF 25	TF1RX01GB007 or TF4RX01GB007	MS90021-1 or 2	6.3	5	2500	GB	2.125	21.00
FMF 26	TF1RX01JB008 or TF4RX01JB008	MS90022-1 or 2	6.3	10	2500	JB	5	29.00
FMF 27	TF1RX01KB009 or TF4RX01KB009	MS90023-1 or 2	6.3	20	2500	KB	7.75	35.00
FMF 28	TF1RX01JB012 or TF4RX01JB012	MS90024-1 or 2	2.5	10	10,000	JB	4.25	27.00
FMF 29	TF1RX01KB013 or TF4RX01KB013	MS90025-1 or 2	5.0	10	10,000	KB	6	34.00

MILITARY STANDARD PLATE AND FILAMENT TRANSFORMERS

Input 105/115/125 Volts 60 Cycles ± 10%. Choke Input Filter

Cat. No.	MIL Types	Military Standards No.	FIL 1	FIL 2	Plate (RMS)	Current	Case	Wt. Lbs.	List Price
FMP 30	TF1RX03HA001 or TF4RX03HA001	MS90026-1 or 2	6.3/5v 2a	6.3v 3a	200-100-0-100-200	.07A.DC	HA	3.75	\$33.00
FMP 31	TF1RX03JB002 or TF4RX03JB002	MS90027-1 or 2	6.3/5v 2a	6.3v 4a	325-0-325	.07A.DC	JB	5.125	29.00
FMP 32	TF1RX03KB006 or TF4RX03KB006	MS90028-1 or 2	5v 3a	6.3v 5a	325-0-325	.150A.DC	KB	7.25	34.00
FMP 33	TF1RX03LB003 or TF4RX03LB003	MS90029-1 or 2	5v 3a	6.3v 8a	400-0-400	.175A.DC	LB	9.5	40.00
FMP 34	TF1RX03MB004 or TF4RX03MB004	MS90030-1 or 2	5v 3a	6.3v 8a	450-0-450	.250A.DC	MB	12.125	46.00
FMP 35	TF1RX02KB001 or TF4RX02KB001	MS90031-1 or 2			350-0-350	.250A.DC	KB	7.125	31.00
FMP 36	TF1RX02LB002 or TF4RX02LB002	MS90032-1 or 2			550-0-550	.250A.DC	LB	9.5	36.00
FMP 37	TF1RX02NB003 or TF4RX02NB003	MS90036-1 or 2			800-0-800	.250A.DC	NB	14.75	48.00

400 Cycle Transformers

FILAMENT TRANSFORMERS Input 115 Volts 380-1200 Cycles

Cat. No.	Sec. Volts	Sec. Amps	Test Volts	Case	Wt. Lbs.	List Price
FF 440	6.3 ct	2	1500	AJ	.625	\$16.20
FF 41	6.3 ct	5	1500	EA	1	19.60
FF 42	6.3 ct	5	2500	FA	2	22.00
	6.3	5	2500			
FF 43	5/6.3	3	2500	EB	.95	19.00
FF 44	5 ct	6	2500	EA	1	19.60
FF 45	2.5 ct	10	5000	HB	2.75	25.60

PLATE AND FILAMENT TRANSFORMERS Input 115 Volts 380-1200 Cycles. Choke Input Filter

Cat. No.	Plate RMS	DC Amps	Filaments	Case	Wt. Lbs.	List Price
FP 40	250-0-250	.070	5/6.3V 2A 6.3Vct 3A	GB	1.875	\$27.50
FP 41	325-0-325	.120	5V 3A 6.3 ct 5A	JB	4.625	33.00
FP 42	400-0-400	.200	5V 3A 6.3Vct 6A	KB	6.625	37.50
FP 43	350-0-350	.250	—	JB	4.625	27.50
FP 44	500-0-500	.250	—	KB	6.25	30.00

FERRANTI ELECTRIC, INC.

TRANSFORMER DIVISION
BROOKLYN, N. Y.



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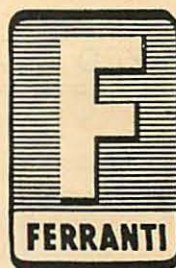
MILITARY STANDARD AUDIO TRANSFORMERS

Frequency Response 300-10,000 c.p.s. \pm 2DB

Weight — 0.72 Lbs. Max.

Altitude — 50,000 Ft. Max.

All units are hermetically sealed in MIL-T-27A case size AJ and are designed to meet the full requirements of the MIL-T-27A specification. All manufacturing, testing and inspection in accordance with applicable requirements of Military Specifications.



Cat. No.	Function	Type Designation	Military Standards No.	IMPEDANCE LEVEL (in ohms)		Max. Power Level	Pri. D.C. Per Side in MA	Max. D.C. Unbalance	List Price
				Primary	Secondary				
FMA 550	Interstage, Single or P.P. plates to single or P.P. grids	TF1RX15AJ001	MS 90000	10,000 CT	90,000 split and CT	+15 DBM	10	10	\$20.80
FMA 551	Matching, 600 ohm line to voice coil	TF1RX16AJ002	MS 90001	600 split	4, 8, 16	2 watt	0	0	20.30
FMA 552	Input, 600 ohm line to single or P.P. grids	TF1RX10AJ001	MS 90002	600 split	135,000 CT	+15 DBM	0	0	20.80
FMA 553	Matching, 600 ohm line to 600 ohm line	TF1RX16AJ001	MS 90003	600 split	600 split	+15 DBM	0	0	20.30
FMA 554	Output, single plate 7600 ohm or 4800 ohm to 600 ohm line	TF1RX13AJ001	MS 90004	7600 tap @ 4800	600 split	2 watt	40	40	19.80
FMA 555	Output, single plate 7600 ohm or 4800 ohm to voice coil	TF1RX13AJ002	MS 90005	7600 tap @ 4800	4, 8, 16	2 watt	40	40	19.80
FMA 556	Output, single or P.P. plates to 600 ohm line	TF1RX13AJ003	MS 90006	15,000 CT	600 split	2 watt	10	10	19.80
FMA 557	Output, P.P. plates to 600 ohm line	TF1RX13AJ004	MS 90007	24,000 CT	600 split	1 watt	10	1	20.30
FMA 558	Output, P.P. plates to 600 ohm line	TF1RX13AJ005	MS 90008	60,000 CT	600 split	0.5 watt	10	1	20.30

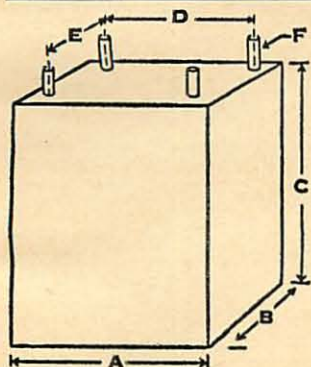
FILTER REACTORS

FOR 60 CYCLE POWER SUPPLIES

FOR 400 CYCLE POWER SUPPLIES

Cat. No.	DC Amps	Induct. Henries	Resist. Ohms	Test Volts	Case	Wt. Lbs.	List Price
FC 410	.020	30	930	1500	AJ	.625	\$14.50
FC 11	.070	15	260	2500	GB	2.25	14.00
FC 12	.150	10	110	2500	JB	4.75	20.00
FC 13	.200	8	90	2500	KB	6.25	21.00
FC 14	.300	10	95	2500	LB	9.625	28.50

Cat. No.	DC Amps	Induct. Henries	Resist. Ohms	Test Volts	Case	Wt. Lbs.	List Price
FC 440	.070	3	225	1500	AJ	.625	\$14.00
FC 41	.120	3	145	2000	EB	1	15.00
FC 42	.200	3	115	2000	FB	1.5	15.50
FC 43	.250	3	65	2000	GB	2.25	17.50



MIL-T-27A CASE AND MOUNTING DIMENSIONS

Case	A	B	C	D	E	
AJ	1 5/8	1 5/8	2 3/8	1 3/16	1 3/16	6-32
EA	1 15/16	1 13/16	2 3/4	1 3/8	1 1/4	6-32
EB	1 15/16	1 13/16	2 3/4	1 3/8	1 1/4	6-32
FA	2 5/16	2 1/16	3 1/8	1 11/16	1 3/16	6-32
FB	2 5/16	2 1/16	2 1/2	1 11/16	1 3/16	6-32
GB	2 3/4	2 3/4	2 13/16	2 1/8	1 3/4	6-32
HA	3 1/16	2 5/8	4 1/4	2 13/16	1 5/8	8-32
HB	3 1/16	2 5/8	3 3/8	2 13/16	1 5/8	8-32
JB	3 3/16	3 1/16	3 3/8	2 5/8	2 1/8	8-32
KB	3 13/16	3 3/8	4 3/8	3	2 3/8	10-32
LB	4 3/16	3 11/16	4 1/2	3 3/8	2 11/16	10-32
MB	4 11/16	4	4 13/16	3 11/16	3	1/4-20
NB	5 1/16	4 3/16	5 1/2	4 1/16	3 3/8	1/4-20

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