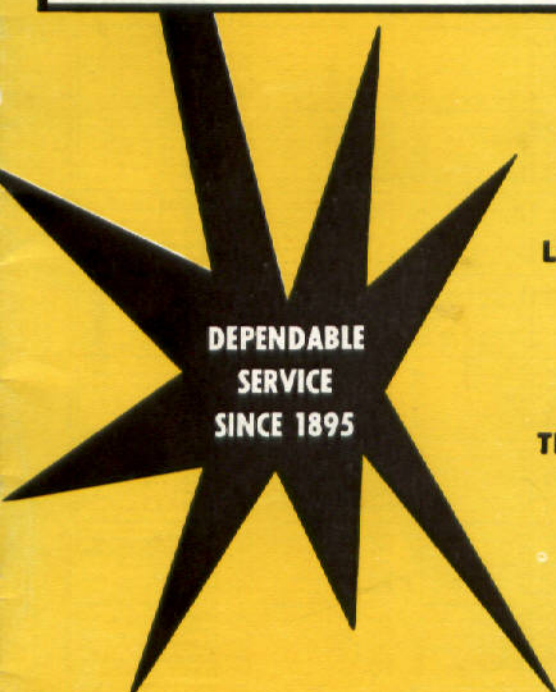


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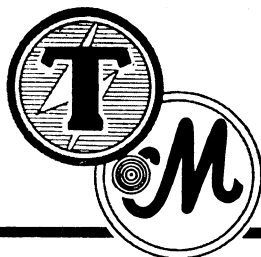
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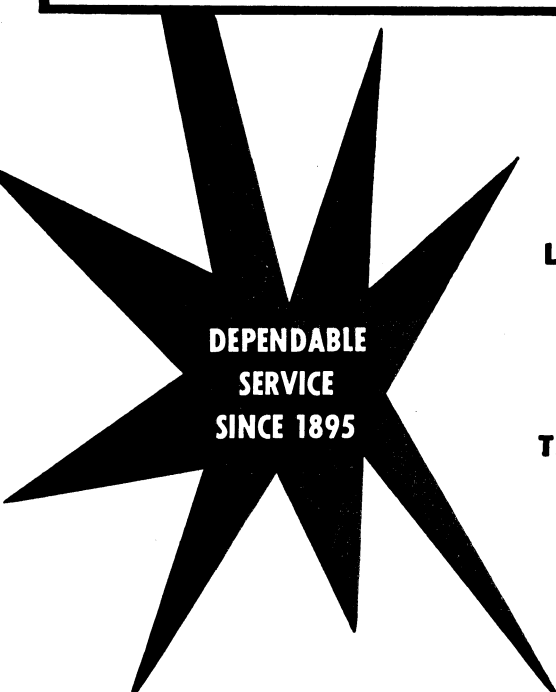
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14-1033	19	15-1082	22	17-1001	22	18-2942	19	19-6803	21
14-1040	19	15-1083	22	17-1002	22	18-2943	19	19-6804	21
14-1041	19	15-2866	21	17-1003	22	18-2944	19	19-6805	21
14-1042	19	15-2868	21	17-1004	22	18-3500	19	19-6806	21
14-1043	19	15-7510	21	17-1005	22	18-3501	19	19-6807	21
14-1044	19	15-7511	21	17-1006	22	18-3502	19	19-6808	21
14-1045	19	15-7512	21	17-1011	22	18-3503	19	19-6809	21
14-1046	19	15-7513	21	17-1012	22	18-3504	19	19-6810	21
14-1053	19	15-7513A	21	17-1013	22	18-3505	19	19-6811	21
14-1055	19	15-7514	21	17-1020	22	19-1000	21	19-6812	21
14-1056	19	15-7515	21	17-1021	22	19-1001	21	19-6832	20
14-1057	19	15-7520	21	17-1023	22	19-1002	21	19-6833	20
14-1058	19	15-8479	21	17-1025	22	19-1003	21	19-6834	20
14-1060	19	15-8480	21	17-1026	22	19-1004	21	19-6837	20
14-1061	19	15-8481	21	17-1031	22	19-1005	21	19-6840	20
14-1062	19	16-3445	22	17-1033	22	19-1006	21, 22	19-6842	20
14-1063	19	16-3471	20	17-1034	22	19-1007	21	19-6844	20
14-1064	19	16-3472	20	17-1035	22	19-1020	22	19-6846	20
14-1065	19	16-3487	20	17-1043	22	19-1021	22	19-6848	20
14-1066	19	16-3490	20, 21	17-1045	22	19-1023	22	19-6849	20
14-1067	19	16-6602	20	17-1047	22	19-1900	20	19-6854	20
14-1068	19	16-3736	19	17-1062	22	19-1920	22	19-6860	21
14-1069	19	16-5700	19	17-1063	22	19-1921	22	19-6862	21
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14-1072	19	16-5706	19	17-1071	22	19-1986	20	19-6872	21
14-1073	19	16-5712	19	17-1072	22	19-1987	20	19-6877	21
14-1074	19	16-5714	19	17-3401	22	19-1988	20	19-6874	21
14-1075	19	16-5728	19	17-3402	22	19-1989	20	19-6876	21
14-1076	19	16-5730	19	17-3403	22	19-1990	20	19-6880	21
14-1077	19	16-5740	19	17-3412	22	19-1991	20	19-6881	21
14-1078	19	16-5742	19	17-3477	22	19-1992	20	19-6882	21
14-1408	19	16-5762	19	17-3486	20	19-1995	20	19-6883	21
14-1409	19	16-5784	19	17-3487	20	19-2078	20	19-6884	21
14-1410	19	16-6123	20	17-3488	20	19-2330	20	19-6885	21
14-1411	19	16-6131	20	17-3489	21, 22	19-2400	20	19-6886	21
14-1412	19	16-6132	20	17-3490	21, 22	19-2709	20	19-6887	21
14-1413	19	16-6139	20	17-3491	20, 21	19-2864	22	19-6888	21
14-1414	19	16-6600	20	17-3492	20, 21	19-3001	22	19-6889	21
14-1415	19	16-6601	20	17-3493	22	19-3018	21	19-6890	21
14-1416	19	16-6602	20	17-3494	20	19-3019	21	19-6891	21
14-1417	19	16-6603	20	17-3495	20	19-3022	21	19-6892	21
14-1418	19	16-6643	20	17-3496	22	19-3025	21	19-6893	21
14-1419	19	16-6645	20	17-3497	22	19-3036	22	19-6894	21
14-1420	19	16-6649	20	17-3498	20	19-3075	22	19-7047	21
14-1421	19	16-6650	20	17-3499	21, 22	19-3093	22	19-7068	21
14-2436	19	16-6651	20	17-4500	22	19-3100	22	19-7100	20
14-2437	19	16-6652	20	17-4501	22	19-3125	22	19-7908	20
14-2860	19	16-6653	20	17-4502	22	19-3160	22	19-8770	20
14-2862	19	16-6654	20	17-4503	22	19-3180	22	20-1004	22
14-3732	19	16-6655	20	17-4504	22	19-3247	22	20-1005	22
14-4034	19	16-6656	20	17-4505	22	19-3250	22	20-1006	22
14-4242	19	16-6657	20	17-4506	22	19-3300	22	20-1007	22
14-4243	19	16-6658	20	17-4507	22	19-3500	22	20-1045	22
14-6140	21	16-6659	20	17-4508	22	19-3660	22	20-1048	22
14-6417	19	16-6660	20	17-4509	22	19-4036	22	20-1049	22
14-6418	19	16-6661	20	17-4511	22	19-4060	22	21-5202	21
14-6419	19	16-6662	20	17-4512	22	19-4073	22	21-6128	21
14-6590	19	16-6663	20	17-4514	22	19-4093	22	21-6131	21
14-6592	19	16-6665	20	17-4518	22	19-4120	22	21-9001	18
14-6850	20	16-6666	20	17-4519	22	19-4121	22	21-9002	18
14-6852	20	16-6667	20	17-4520	22	19-4122	22	21-9003	18
14-6854	20	16-6668	19	17-4521	22	19-4125	22	21-9004	18
14-6856	20	16-6669	19	17-4522	22	19-4160	22	21-9005	18
14-6865	20	16-6670	20	17-4523	22	19-4180	22	21-9006	18
14-7000	19	16-6675	20	17-4524	22	19-4200	22	22-5230	21
14-7001	19	16-6678	19	17-4531	22	19-4201	22	22-7000	21
14-7413	19	16-6679	19	17-4532	22	19-4215	22	22-7001	21
14-7478	19	16-6752	20	17-4533	22	19-4250	22	22-7006	21
14-7479	19	16-6754	20	17-4534	22	19-4251	22	22-7007	21
14-7480	19	16-6756	20, 21	17-4535	22	19-4400	22	22-7008	21
14-7558	19	16-6758	20	17-4536	22	19-4412	22	24-8273 and 24-8274	21



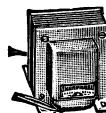
Thordarson Transformers



BAH-BAV
BGH-BGV



FGV



GGV



JUV



KTV



PUV



RAV-RTV



Z

INPUT-INTERSTAGE TRANSFORMERS MICROPHONE, PICKUP OR LINE-TO-GRID

Thord. No.	Mtg. Type	Turns Ratio	Nom. Impedance		Mtg. Cntr.	Ht. In.	List Price
			Primary	Secondary			
20A03†	BAH	1:3.25	10,000	100,000	2 3/8	1 1/2	\$ 6.65
		1:35	200	250,000			
20A00†	BAH	1:10	500/600CT	60,000CT	2	1 1/2	\$ 5.55
20A05	RTV	1:10	500/600CT	60,000CT	2 1/4	2	18.60
20A31†	BHH	1:13.3	500/333/200/125/50	69,000CT	2 1/4	2	6.70
20A34	BAH	1:15.8	400 CT	100,000 CT	1 3/4	1 1/4	3.60
20A32	BAH	1:20	200/70	80,000	2	1 1/2	3.55
20A33	BAH	1:24.5	100	60,000	2	1 1/2	3.60
20A35	BAH	1:31.6	50	50,000	1 3/4	1 1/4	3.30
20A14†	Z	1:14.2	200CT	40,000	2 3/8	2 3/8	31.80
20A10	BGH	1:20	500/600CT	240,000	2 3/8	2 3/8	5.00
20A01	FGV	1:20	500/600CT	240,000	2 3/8	2 3/8	5.25
20A11†	BGH	1:20	500/600CT	240,000CT	2 3/8	2 3/8	5.25
20A02†	FGV	1:20	500/600CT	240,000CT	2 3/8	2 3/8	8.00
20A04†	Z	1:31.6	50CT	50,000	2	2	30.50
20A04	BAH	1:80	3/6	38,400	2	1 1/2	3.10
20A30	BGV	1:137	70	1,300,000	1 1/2	1 1/2	4.00

†Static Shielded. *Freq. Res. 30-15,000 cps, ±1 db; magnetically shielded. *1 1/2" x 1 1/2". *Cable. †Dual primary; when properly connected, 500 and 200 ohm sections CT.

SINGLE OR PUSH-PULL PLATES TO PUSH-PULL GRIDS

Primary, 10 ma. DC. All have split secondary except 20A19; 20A27 has split primary.

20A25†	RTV	1:1.41	10,000-20,000 CT	20,000-40,000 CT	†	2	\$13.65
20A27†	RTV	1:2	2,500-10,000 CT	10,000-40,000 CT	†	3 1/2	22.20
20A19	BAH	1:3	10,000 CT	90,000	2 3/8	1 1/2	3.30
20A24	FGV	1:3	20,000 CT	180,000 CT	2 3/8	2 3/8	6.80

*Fully potted, humbucking coil and core. †1 1/2" x 1 1/2". ‡2 1/2" x 2 1/2".

MULTI-PURPOSE

20A06†	RTV	1:1:1:1	35/50 CT	35/50 CT	†	2	\$14.45
			200/250CT	200/250CT			
20A07†	BHH	1:1:1:1	500/600CT	500/600CT	2 1/4	2	7.20
			500/333/200/125/50				
20A29†	BAV	1:1:1:1	5,000-15,000	5,000-15,000 CT	2	1 1/2	4.00

*Low impedance multi-purpose; for line to line or lines, mike to line, mixing low-Z line or mike to pickup. 20A07: Four windings, each tapped; any combination of impedances given may be obtained. *High impedance; multi-purpose; for single or push-pull plate to single or push-pull grids, mixing high-Z outputs, driver (2:1). †1 1/2" x 1 1/2".

SINGLE PLATE TO SINGLE OR PUSH-PULL GRIDS

For 7,000 to 15,000 ohm primary impedance, primary, 10 ma. DC.

Thord. No.	Mtg. Type	Turns Ratio	Core Center Leg	Mtg. Cntr.	Size, Inches H. x W. x D.	List Price
20A16	BAH	1:2	1 1/2" x 1 1/2"	2"	1 1/2 x 2 1/2 x 1 1/4	\$3.00
20A17	RAV	1:2	1 1/2" x 1 1/2"	2"	2 x 1 1/2 dia.	8.90
20A18	BAH	1:2	1 1/2" x 1 1/2"	2"	1 1/2 x 2 1/2 x 1 1/4	2.90
20A22	BAH	1:3	1 1/2" x 1 1/2"	2 1/8"	2 1/2 x 2 1/2 x 1 1/4	4.20
20A23	FGV	1:3	1 1/2" x 1 1/2"	2 3/8"	2 1/2 x 2 1/2 x 2 1/4	8.35

*1 1/2" x 1 1/2".

TUBE TO LINE MIXER

Thord. No.	Mtg. Type	Primary Impedance	Sec. Imp.	Max. Ma. DC	Watts	List Price
22S75	BHH	7,000	50	30	3	\$3.10
22S59	BGH	15,000	300 CT	10	4	5.00
22S77	BHV	2500/4000/5000/6000/7000	500	60	10	8.30
22S76	BHH	3000/5000/8000/10000/12000/14000 CT	500	60	25	8.35
22S90	FGV	20000 CT	125/200	25	8	6.40
22S92*	RTV	20000 CT	500/600	10	3	13.90
22S91	BAH	20000 CT	500/600	25	8	5.50

*Has hum bucking coil and core construction; has a split winding and is applicable to balancing push-pull outputs.

VARIABLE DC POWER SUPPLY COMPONENT

Thordarson No. 22R50—Special phase shift transformer—pri., 117 v. Mtg. type BAH; 3 1/2" mtg. cntrs.; 2 3/4" h. x 3 1/4" w. \$8.35 x 2" d. Weight, 1.25 lbs. List Price.

PLATE SUPPLY TRANSFORMERS SINGLE HIGH VOLTAGE

Primary 117 v., 50/60 cps. Secondary voltage may be changed by primary tap. Either given voltage available. Static shielded.

Thord. No.	Mtg. Type	Secondary VAC	Ma. DC	Mtg. Cntrs.	Size, Inches H. x W. x D.	List Price
21P89	GGV	550-0-550	175	3x2 1/2	3 1/2 x 3 1/4 x 1 1/4	\$ 16.70
21P85	PUV	855-0-855	300	6 1/2 x 2 1/2	5 1/4 x 4 1/2 x 6 1/2	55.50
		731-0-731				
21P87	GGV	835-0-835	220	3 1/2 x 3	4 1/2 x 3 1/2 x 4 1/2	21.65
		680-0-680				
21P83	PUV	1560-0-1560	200	7 1/2 x 2 1/2	6 x 4 1/2 x 8 1/2	69.45
		1250-0-1250				
21P81	PUV	1560-0-1560	300	10 1/2 x 3 1/2	6 1/2 x 5 1/2 x 11	100.00
		1265-0-1265				
21P82	PUV	2335-0-2335	220	10 1/2 x 3 1/2	6 1/2 x 5 1/2 x 11	100.00
		1700-0-1700				

SINGLE OR MULTIPLE—COMMON CENTER TAP

Primary 117 v., 50/60 cps. Tapped secondary makes possible single rectifier system with choice voltages or a multiple rectifier system with multiple output simultaneously. Static shielded.

21P93	GGV	500-0-500	125	3 1/2 x 3	4 1/2 x 3 1/2 x 4 1/2	\$33.30
		1075-0-1075				
21P91	PUV	1200-0-1200	110	6 1/2 x 2 1/2	5 1/4 x 4 1/2 x 7 1/2	83.50
		900-0-900	150			

Primary 117/230 v., 50/60 cps. Static shielded.

21P79	PUV	1875-0-1875	400	10 1/2 x 3 1/2	6 1/2 x 5 1/2 x 11	\$ 97.80
		1560-0-1560				
21P77	PUV	3000-0-3000	300	10 1/2 x 3 1/2	9 x 6 1/2 x 11	152.75
		2450-0-2450				
21P96	JUV	3080-0-3080	375	6 1/2 x 5 1/2	9 1/2 x 6 1/2 x 8 1/2	137.50
		2480-0-2480				
21P75	PUV	3000-0-3000	500	12 1/2 x 4 1/2	9 1/2 x 7 1/2 x 13 1/2	235.00
		2400-0-2400				
24P79*	CTV	1500-0-1500	40	3 1/2 x 4 1/2	14 x 6 1/2 x 8 1/2	275.00
		25,000 (1 kva)				

*Plate testing transformer. Pri., 117 v., 60 cps. Has closed core double magnetic circuit; magnetic shunt overload protection; secondary limited to 40 ma at short circuit. Suitable for half-wave rectifiers, testing, air filters, etc.

MODULATION TRANSFORMERS

MULTI-MATCH MODULATION TRANSFORMERS

Universal modulation transformers to match any Class B plate load from 2000 to 20,000 ohms to any Class C load from 2000 to 20,000 ohms.

Thord. No.	Mtg. Type	Ma. DC Pri. Sec.	Max. Watt.	Mtg. Cntr.	Size, Inches H. x W. x D.	List Price
21M60	KTV	50 100	15	2 1/2 x 2 1/2	4 x 2 1/2 x 3 1/2	\$27.75
21M60A	GTV	50 100	15	1 1/2 x 2	3 1/2 x 2 1/2 x 2 1/2	15.70
21M61	PUV	125 250	60	2 1/2 x 1 1/2	4 1/2 x 3 1/2 x 4 1/2	39.75
21M61A	GGV	125 250	60	2 1/2 x 2 1/2	3 1/2 x 3 1/2 x 4 1/2	24.45
21M62	PUV	210 320	125	6 1/2 x 2 1/2	5 1/2 x 4 1/2 x 6 1/2	55.00
21M62A	GGV	210 320	125	3 1/2 x 3 1/2	5 1/2 x 4 1/2 x 4 1/2	31.10
21M64	PUV	250 500	300	6 1/2 x 2 1/2	6 x 4 1/2 x 7 1/2	83.00
21M65	PUV	320 640	500	10 x 3 1/2	6 1/2 x 5 1/2 x 11	164.00

PLATE MODULATION TRANSFORMERS

Thord. No.	Mtg. Type	Impedance, Ohms		Ma. DC		Max. Watts	List Price
		Primary	Secondary	Pri. Sec.			
21M50	BAH	10,000CT	4750	30	30	3	\$ 4.00
21M52	FGV	10,000CT	3000/3750/4500	80	80	10	7.65
21M53	BAH	10,000CT	3000/3750/4500	80	80	10	6.65
21M68	BAV	10,000CT	4000/5000/7500/10,000/12,000	70	60	10	6.10
21M54	GGV	6600CT	4000	100	100	25	11.10
21M67	GGV	10,000CT	3000/5000/6500/8000	100	100	25	9.20
21M66†	KTV	500	5000 to 10,000	210	200	50	41.65
21M56	GGV	10,000CT	3750/6600	100	200	75	19.40
21M58	KTV	15,000CT	6250	200	200	100	37.50

†Line modulation.

HUMBUCKING (3% AND 6% TAPS) SINGLE PLATE TO VOICE COIL (3.5 OHMS)

BAH case, 2" mounting centers, 5 watts. Weight, 0.5 lb.

Thord. No.	Primary Impedance	Max. Ma. DC	Height Inches	Base Area, Inches	List Price
24S50A*	2000	55	1 1/2	2 1/2 x 1 1/4	\$3.05
24S51A	5000	40	1 1/2	2 1/2 x 1 1/4	3.05

*Also for TV replacement.



Thordarson Transformers



BAV-BAH



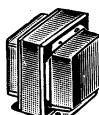
CAV-LAV



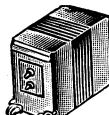
FGV



GGV
GMV-GTV



JUV



PUV



WAV

FILAMENT TRANSFORMERS

Designed to RETMA standards and color code. 117 v., 50/60 cy.

WITH SINGLE SECONDARY

Thord. No.	Mtg. Type	Secondary		RMS Test Volts	List Price
		Volts	Amps.		
21F00	BAV	2.5 CT	5	2500	\$ 4.00
21F31	BAV	2.5 CT	5	7500	5.85
21F01	BAV	2.5 CT	10	2500	7.00
21F02	CAV	2.5 CT	10	10000	7.85
21F02P	WAV	2.5 CT	10	7500	16.70
21F03*	BAV	5 CT	3	2500	5.55
21F05	CAV	5 CT	3	10000	9.70
21F04	CAV	5 CT	8	2500	9.45
21F13	CAV	5 CT	10	2500	8.25
21F06	CAV	5 CT	15	2500	8.20
26F68	LAV	5 CT	15	2500	11.65
21F20	CAV	5 CT	15	10000	13.60
21F20P	WAV	5 CT	15	10000	28.85
21F07	CAV	5 CT	21	2500	15.55
21F07A	CAV	5 CT	29	2500	17.75
21F21*	BAH	6.3 CT	0.6	2500	2.75
21F08*	BAV	6.3 CT	1	2500	3.20
21F09*	BAH	6.3 CT	1.2	2500	4.15
26F60*	BAH	6.3	1.2	5000	4.15
26F65*	BAH	6.3	1.2	5000	4.55
21F10*	BAH	6.3 CT	3	2500	5.15
21F11*	CAV	6.3 CT	6	2500	6.90
21F12*	CAV	6.3 CT	10	2500	9.45
21F25†	CAV	6.3 CT	20	2500	15.75
21F15	BAV	7.5 CT	4	2500	6.95
21F16	CAV	7.5 CT	8	2500	10.00
21F17	CAV	7.5 CT	12	2500	12.75
21F26#	CTH	7.5 CT	51	8500	44.15
21F18	CAV	10 CT	5	2500	10.00
21F28	CAV	10 CT	8	2500	10.30
21F29†	GGV	10 CT	8	2500	11.35
26F67*	BAH	12.6 CT	2	2500	5.70
26F68	BAH	24	1	2500	6.45
21F27*	BAH	26.5 CT	0.6	3000	5.55

*Also for TV replacement. †6.3 v. primary. #117 and 230 v. primary. ‡117/107 v. primary.

WITH MULTIPLE SECONDARY

Thord. No.	Mtg. Type	Note	Secondary		RMS Test Volts	List Price
			Volts	Amps.		
21F14	BAH		2.5 or 5 or 6.3	2.5	2500	\$ 6.10
21F22	GGV	1	5-6.3-5	3	2500	14.45
26F61	BAH	3	5 CT 3	3.6	2500	7.90
21F19	CAV	2	10 CT or 11 CT	12	2500	16.35
21F23	GGV		5 CT 6.3 CT	6	2500	13.90
21F24	GGV		6.3 6.3 6.3 6.3	3	2500	19.45
26F69	HKF	3	6.3 6.3	3	2500	10.00
26F63	BAV	3	6.3 6.3	3	5000	7.90
26F64	GGV	3	25 6.3	320 6	Tapped on pri. 2500	11.95

1. Only the No. 2 winding is tapped. 2. The secondary voltage can be varied by a primary tap. 3. Also for TV replacement.

AUTOTRANSFORMERS

Thord. No.	Mtg. Type	Pri. Sec.	V.A. Rating	Mounting Centers	List Price
23V21*	GMV	220/250 110/125	100	1 3/4" x 2 1/2"	\$11.95
23V22*	GMV	220/250 110/125	150	2" x 2 1/2"	15.25
23V23*	GMV	220/250 110/125	250	2 3/4" x 3"	19.45
23V24*	GMV	220/250 110/125	500	3 3/4" x 3"	25.55
23V32*	JUV	220/250 110/125	1000	4 1/4" x 3 1/2"	59.00
23V20†	GMV	230 115	300‡	3" x 3 1/2"	20.75

*With plug-in receptacle and 6' line cord and plug. #With octagon box outlet for house wiring connections. †Testing autotransformer; tap switch for varying voltage 90-150 v.; primary has 6' cord and plug; secondary connected to female receptacle. ‡Watts.

DRIVERS

SINGLE PLATE TO PUSH-PULL GRIDS

Thord. No.	Mtg. Type	Pri. Ratio To 1/2 Sec.	Max. DC	Mtg. Ctrs. In.	Ht. In.	List Price
20D75	BAH	2.4:1	10	2	1 3/8	\$ 4.70
20D86	BAH	2.5:1	3	2 1/2	2	4.60
20D77	FGV	2.5:1	30	2 1/2	2 3/8	7.20
20D76	BAH	5.2:1	15	2	1 3/8	4.70

SINGLE OR PUSH-PULL PLATES TO PUSH-PULL GRIDS

20D85	BAH	3:1	10	2 3/8	1 3/8	\$ 4.70
20D80	GGV	3.2:1, 2:1	100	1 3/4 x 2	3 3/8	8.60
20D82	GGV	3.2:1, 4:1, 5:1	100	1 3/4 x 2	3 3/8	11.10
20D78	GGV	4:1	40	1 3/4 x 2	3 3/8	10.15
20D81	GGV	5:1	100	2 1/4 x 2 1/2	3 3/8	10.55
20D87	BAH	5.2:1	40	2 3/8	2	8.35
20D79	FGV	5.2:1	30	2 3/8	2 3/8	8.55

LINE TO PUSH-PULL GRIDS—UNIVERSAL TYPE

Units are for 500 ohm line and are center-tapped.

20D84*	GTV	1:0.75 to 1:3.15	2x2 1/4	3 1/2	\$24.45
20D83*	PUV	1:0.75 to 1:3.15	4x4 1/4	4	42.20

*20 watts max.; split windings for balancing and/or inverse feedback use. ‡20 watts max.

ISOLATION TESTING TRANSFORMER

Used to apply overload to amplifiers, radios, etc., to cause suspected parts to break down during testing. Primary, 117 v.; secondary, 105/115/125 v. 350 watts. 3 1/2" x 3 3/4" mtg. centers. Size: 5 3/4" h. x 4 3/4" w. x 5 1/4" d. With 6' cord. GMV mtg. Has electrostatic shield. **\$34.75**

Thordarson No. 23V19—List Price.....

ISOLATION TRANSFORMER 1:1:1 MULTI-POURPOSE (MTG. CTH)

Available with single or double fusing. Four isolated windings with seven possible combinations for step-up, step-down, and isolation applications. Suitable for 220 volt line step-down. Primary and Secondary Volts: 115/230.

Thord. No.	V.A. Rating	Mounting Ctrs., In.	Size, Inches H. x W. x D.	Wt., Lbs.	List Price
23V34	50	2 1/2 x 2 1/2	2 1/2 x 3 x 2 1/2	2.75	\$11.40
23V35	100	3 1/4 x 2 1/2	3 1/4 x 3 3/4 x 2 1/2	5.0	19.45
23V36	200	3 3/4 x 2 1/2	2 1/2 x 4 1/2 x 3 3/4	9.0	24.45
23V37	300	4 1/4 x 2 1/2	4 1/4 x 4 1/2 x 3 3/4	11.0	37.50
23V38	500	4 1/4 x 4 1/2	4 1/4 x 4 1/2 x 5	17.0	44.50
23V39	1000	5 3/4 x 4 1/2	5 3/4 x 4 1/2 x 5 1/2	23.0	61.05

ISOLATION TRANSFORMERS

Static shielded; 50/60 cps line. Primary: 105/115/125 v. Secondary: 115 v.

Thord. No.	Mtg. Type	V.A. Rating	Mounting Centers	Size H. x W. x D.	Wt., Lbs.	List Price
23V25*	GMV	100	2 1/4" x 2 1/4"	4 1/4" x 3 1/4" x 3 3/4"	6.22	\$22.20
23V26*	PUV	300	2 3/4" x 6 1/4"	6" x 4 3/4" x 7 1/4"	18.0	44.50
23V28*	GMV	500	4 3/4" x 4 3/4"	7 5/8" x 6 1/4" x 3"	22.0	65.75
23V27*	JUV	1000	4 3/4" x 5 1/4"	9 1/4" x 6 1/4" x 3 1/4"	38.0	85.60
23V17†	BAH	35	3 1/2"	2 1/2" x 3 1/2" x 2 1/4"	1.75	7.40
23V18†	GGV	80	2 1/2" x 2 1/4"	3 3/8" x 3 3/4" x 3 1/2"	5.0	11.50

*With plug-in receptacle and 6' line cord and plug. #With octagon box outlet for house wiring connections. †Primary, 117 v.; secondary, 117 v.

CONTROL AND POWER CIRCUIT TRANSFORMERS (MTG. GGV)

For operating relays, sirens, horns, etc., from 115 volt, 50/60 cps line. Secondary Volts: 4, 8, 12, 16, 24.

Thord. No.	V.A. Rating	Mounting Ctrs., In.	Size, Inches H. x W. x D.	Wt., Lbs.	List Price
23V40	50	1 1/2 x 2 1/2	3 1/2 x 3 x 3 1/2	3	\$11.10
23V41	100	2 1/2 x 2 1/2	4 x 3 1/2 x 4	5	17.70
23V42	250	3 1/4 x 3	4 1/4 x 4 x 5	10	23.90

LINE VOLTAGE REGULATORS

Provide 115 v. output for appliances despite great line voltage variations. Also useful for altering 115 v. line. Input Voltage (50/60 cps): 65/75/90/100/115/130/145 v. Output receptacle and voltmeter internally connected to 115 v. tap. GMV mounting type with meter. With 6' cord and plug.

Thord. No.	V.A.	Mounting Centers	Size H. x W. x D.	Wt., Lbs.	List Price
23V11	150	2 1/4" x 4 1/4"	5 1/4" x 3 3/4" x 5 1/2"	5.5	\$24.00
23V12	350	2 3/4" x 5 1/4"	5 3/4" x 3 3/4" x 6 1/2"	8.0	30.55
23V13	500	3 1/4" x 5 1/4"	6 1/4" x 3 3/4" x 6 1/2"	15.0	37.70
23V14	750	3 1/4" x 6 1/4"	6 1/4" x 4 1/4" x 8 1/2"	19.0	50.00
23V09	1100	3 1/2" x 7 1/4"	6 1/4" x 4 1/4" x 10"	25.0	75.00



Thordarson Transformers



BAH-BAV
BGH



CAV



GGV



PUV



RAV



TAV



VAV-VIB



WAV-WTV

AUTO RADIO VIBRATOR TRANSFORMERS EXACT REPLACEMENT FOR 6 VOLT BATTERY AND VIBRATOR

Thord. No.	Mtg. Type	Original Part No.	VDC-Filtr.	Ma. DC	Mtg. Cntrs.	Ht. In.	List Price
22R55	BAV	65-0404	150	40	2 3/4	2 1/2	\$5.75
22R57	HFF	25B591533	150	50	1 1/4	2 1/2	5.15
		25C500189					
22R61	BAV	TV-100	225	50	2 1/8	2 1/2	6.95
22R63	HFF	25E12083	225	50	1 1/4	2 1/4	7.25
22R67	VIB	25B472533	250	60	*	3 1/4	8.45
		141-0010					
22R69	DAF	32-8313-1	260	60	#	2 1/4	6.40
22R71†	VIB	7255881	265	55	**	3 1/4	9.60
22R73	VIB	C-217020	270	60	**	2 1/4	8.35
22R75	VIB	6060	270	75	**	3 1/4	9.60
22R77†	VIB	7240519	280	65	**	3 1/4	11.00
22R89†	VIB	6064, 6066	240	60	*	3 1/4	8.90
22R52‡	DAF	6065, 6067	270	78	*	2 1/4	5.55

‡Exact replacement for 6 or 12 volt battery and vibrator. †Built-in hash filter. #1 1/4" x 2 1/4". *Exact.

6 VOLT BATTERY AND VIBRATOR

Thord. No.	Mtg. Type	Secondary AC Volts	VDC-Filtr.	Ma. DC	Mtg. Cntrs.	Ht. In.	List Price
22R25	VIB	150-0-150	150	40	1 1/4 x 1 1/4	2 1/2	\$ 8.35
22R23	VAV	160-0-160	160	80	1 1/4 x 1 1/4	2 1/4	7.75
22R29	VIB	210-0-210	210	60	1 1/4 x 1 1/4	2 1/4	8.60
22R28	VIB	240-0-240	240	80	1 1/4 x 1 1/4	2 1/4	10.00
22R27	VIB	250-0-250	250	50	1 1/4 x 1 1/4	2 1/4	8.60
22R20	CAV	250-0-250	250	50	2 1/4 x 1 1/4	2 1/4	8.90
22R26	VIB	250-0-250	250	80	1 1/4 x 1 1/4	2 1/4	10.10
22R18	CAV	320-0-320	285	75	1 1/4 x 1 1/4	2 1/4	10.00
22R22	CAV	325-0-325	325	75	2 x 2 1/4	3 1/4	10.00
22R13	CAV	330-0-330	330	100	2 1/4 x 2 1/4	3 1/4	11.00
22R54†	VIB	200-0-200	200	60	1 1/4 x 1 1/4	2 1/4	8.60
22R79†	BAV	225-0-225	225	50	2 1/4	2 1/4	6.10
22R53†	VIB	240-0-240	240	60	1 1/4 x 1 1/4	2 1/4	9.45

†For 12 volt battery and vibrator. *Built-in hash filter.

SELENIUM RECTIFIER TRANSFORMERS

Full wave. Primary, 117 v., 50/60 cps AC. Mtg. type LHV.

Center-Tapped				Bridge				List Price
Thord. No.	Fed. No.	S-T† No.	R-† No.	Fed. No.	S-T† No.	R-† No.		
23V60	.....	D-10	SICISIG	210	D-52	SIBISIG		\$ 8.00
23V61	010	D-11	.....	211	D-17	UIBISIG		10.60
	011	.....	.....		.....	.....		
23V62	012	D-12	UICISIG	212	D-18	UIBISIG		13.40
	013	D-13	TICISIG					
			WICISIG					
23V63	014	D-14	HICISIG	213	D-19	WIBISIG		17.80
23V64	015	D-15	LICISIG	214	D-20	HIBISIG		21.10
			.....			TIBISIG		
23V65	.....	.....	.....	216‡	D-22§	LIBICIG§		47.10
			.....	312	D-26	H2BISIG		
			.....	313	D-27	T2BISIG		
			.....			W2BISIG		
23V66	016	D-16	.....	215	D-21	.....		32.75
23V67	.....	.....	.....	217§	D-23§	L1B2SIC§		63.75
			.....	314	D-28	L2BISIG		
23V68†	.....	.....	.....	413	D-34	H4BISIG		27.75
23V69†	.....	.....	.....	814	D-48	W6BISIG		27.75

*Federal Telephone & Radio. †Sarkes-Farzan. ‡Radio Receptor. §Parallel secondary windings. ¶Autoformer; GGV mtg. type.

AUTOMATION CONTROL TRANSFORMERS

For automation equipment relays and pilot lamps. Primary, 115/230 v., 50/60 cps.

Thord. No.	Mtg. Type	Secondary	V.A.	Mounting Centers	List Price
23V50	BHV	6 v. @ 2 a.	12 v. @ 1 a.	12	\$ 6.00
23V51	BHV	6 v. @ 4 a.	12 v. @ 2 a.	24	9.00
23V52	BHV	12 v. @ 4 a.	24 v. @ 2 a.	48	12.00
23V53	CHV	12 v. @ 8 a.	24 v. @ 4 a.	96	16.00
23V54	CHV	12 v. @ 16 a.	24 v. @ 8 a.	192	22.00

TUBE CHECKER FILAMENT TRANSFORMER

Multi-tapped. Secondary Volts: 1.1/1.4/1.5/2.0/2.5/3.0/3.3/5.0/6.3/7.0/7.5/12/25/30/35/50/70/85/110/117 v. Primary Volts: 125/115/105 v. Mounting type BHH. 3 3/4" mounting centers. Size: 2 3/8" h. x 4" w. x 2" d.

Thordarson No. 21F30 - List Price \$15.75

TONE CONTROL UNIT

Write for free literature and circuit diagram. RAV case, 2" high, 1 3/4" base area.

Thord. No.	Application	Mtg. Cntrs. In.	Wt. Lbs.	List Price
20C74	22 H Inductance Choke 0 DC Ma. for supplied circ.	1 1/2 x 1 1/2	0.5	\$13.50
R-1068X	Dual Tone Potentiometer to accompany 20C74.			7.00

UNIVERSAL CHOKES

Designed for maximum filtering and regulation with minimum size. Rated at 50 volts 60 cycles at current ratings given.

Thord. No.	Mtg. Type	Note	Inductance		DC Res., Ohms	RMS Test Volts	List Price
			Hen-ri	At Ma. DC			
20C58	BAH	1, 2	0.75 0.75	0.5 10	30	2500	\$ 4.00
20C50	BAH	1	350 150	5 15	5500	2500	5.95
20C63	TAV	1	135	5	6500	2500	7.00
20C40	BAH	2	1.5	10	95	2500	2.22
20C51	BAH	2	35	15	1850	2500	2.35
20C52	BAH	1	12	20	450	2500	2.10
			8	40			
			4	65			
26C42	BAH	1, 3	4.5	50	200	2500	2.30
20C66	BAH	1	9	50	500	2500	2.20
20C59	BAH	1	9	45	200	2500	2.80
			5	65			
26C87	BAH	.....	16	50	580	2500	2.85
26C84	BGH	3	9	70	270	2500	4.00
26C82	BAH	3	3.2	75	120	2500	3.05
26C86	BAH	.....	15	75	400	2500	5.95
20C71	GGV	.....	16	80	360	2500	5.95
20C67	TAV	.....	5	100	300	2500	5.25
26C85	BAH	.....	10.5	110	225	3000	4.85
26C83	BAH	3	7	125	300	2500	3.85
26C88	BAH	3	2.5	130	100	2000	3.40
26C89	BAH	3	2.3	150	60	2500	3.40
20C68	BAH	.....	7	150	200	2500	5.60
20C65	BAV	.....	6	75	200	2500	3.30
20C53	BAH	2, 3	17	60	375	2500	3.50
			12	80			
			8	100			
20C64	BAH	3	7	100	100	2500	4.20
			4	130			
			3	150			
20C54	GGV	.....	12	100	145	2700	6.95
			8	150			
			4	200			
20C54P	WAV	.....	12	100	145	2700	12.75
			8	150			
			4	200			
26C41	BAH	3	2	200	90	2500	2.65
26C43	BAH	3	2	200	60	2500	4.20
20C49	BAH	3	5	150	58	2700	5.00
			4.5	200			
			4	250			
26C90	GGV	3	4	250	60	3000	11.60
20C55	GGV	3	9	150	75	2700	8.65
			6	200			
			2	300			
20C55P	WAV	.....	9	150	75	2700	14.45
			6	200			
			2	300			
26C45	GGV	3	10	200	140	3000	9.45
26C93	BAH	.....	1	300	43	2500	4.50
26C91	BAH	3	2.8	300	60	2500	4.70
20C69	GGV	.....	8	300	80	3000	16.10
20C70	CAV	.....	8	300	80	3000	15.95
26C92	BAH	3	0.8	375	25	2500	5.60
26C44	BAH	3	1	300	60	2500	4.70
20C56	GGV	3	8	250	60	3500	14.05
20C56P	WTV	.....	8	250	60	3500	22.20
20C57	PUV	.....	10	500	65	7500	59.75

1. Applicable to AC/DC replacement and transformer type power supplies. 2. Has audio reactor applications. 3. Also for TV replacement.

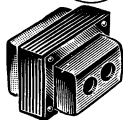
PHOTO FLASH POWER TRANSFORMERS (MTG. BAY)

Thord. No.	Primary	Secondary		Fila-ment	Mtg. Cntrs. In.	Ht. In.	List Price
		Volts	Ma. DC				
22R41	4 VDC	450 VDC 900 VDC*	16 8	.....	2 3/4	2 3/4	\$ 5.55
22R42	117 v., 60 cps	1880 AC	1.5	2.5 @ 1.75	3 3/4	2 1/2	11.00
22R43	117 v., 60 cps†	1100 AC 2200 AC*	4 2	.....	2 1/8	2 3/4	13.90
22R44	Discharge from 200 v. cond.	15 KV Peak	.....	.....	†	1 1/2	8.35
22R24‡	6 v. VIB. or 117 v.*	350-0-350	135	6.3 @ 4.7†	3 x 3 3/4	4 1/2	18.35

*Voltage obtained in voltage doubler circuits. †Or 4 VDC. ‡Mtg. GGV. †Single hole mounting. ‡With 117 v. only. *60 cps.



Thordarson Transformers



AGF



BAH-BGV



GGV



WAV

POWER TRANSFORMERS

All primaries are 117 volt 50/60 cycle. These units are designed to RETMA standards and color code.

FULL WAVE—SINGLE HIGH VOLTAGE SECONDARY

Type No.	Mtg. Type	Note	Plate Supply		Rect. Fil.		Other Fils.		Mtg. Centers, In.	Height Inches	Base WxD Inches	Weight Lbs.	List Price
			AC Volts	Ma. DC	Volts	Amps.	Volts	Amps.					
22R38	AGF	4, 5	180-0-180	42	6.3	0.6	6.3 CT	2.8	1 3/4 x 2 1/4	2 3/4	2 3/8 x 2 3/8	1.8	\$11.00
24R10	GGV	1	220-0-220	50	6.3	0.6	25.2	0.5	2 x 1 1/4	3 3/4	2 3/8 x 2 3/8	2.2	8.20
24R11U	GGV	1	230-0-230	50	6.3	0.6	6.3	2.5	2 x 1 1/4	3 3/4	2 3/8 x 2 3/8	2.2	7.25
24R11	AGF	1, 4	230-0-230	50	6.3	0.6	6.3	2.5	2 x 2 1/2	2 3/4	2 3/8 x 2 3/8	2.2	7.50
24R00	AGF	4, 6	240-0-240	40	5.0	2.0	6.3 CT	2.0	2 x 2 1/2	2 3/4	2 3/8 x 2 3/8	2.0	7.50
24R00U	GGV	6	240-0-240	40	5.0	2.0	6.3 CT	2.0	1 3/8 x 2	3 1/4	2 3/8 x 2 3/8	2.0	7.50
24R12U	GGV	1	240-0-240	70	6.3	0.6	6.3	3.0	2 x 1 1/4	3 3/4	2 3/8 x 2 3/8	2.6	8.30
24R12	AGF	1, 4	240-0-240	70	6.3	0.6	6.3	3.0	2 x 2 1/2	2 3/4	2 3/8 x 2 3/8	2.6	8.30
22R00	AGF	4, 6	250-0-250	40	5.0	2.0	6.3 CT	2.0	2 x 2 1/2	2 3/4	3 x 3 1/2	1.75	8.30
22R08	AGF	4, 8	250-0-250	40	5.0	2.0	2.5 CT	4.0	2 x 2 1/2	2 3/4	2 3/8 x 3 1/8	1.75	8.30
24R09U	GGV	6	250-0-250	70	5.0	2.0	6.3 CT	2.5	2 x 2 1/2	3 1/4	2 3/8 x 3 1/8	3.2	9.30
24R09	AGF	4, 6	250-0-250	70	5.0	2.0	6.3 CT	2.5	2 x 2 1/2	3 1/4	2 3/8 x 3 1/8	3.2	9.30
24R13	AGF	4, 6	260-0-260	90	5.0	2.0	6.3 CT	3.0	2 1/4 x 2 1/2	3 3/8	2 3/8 x 3 1/8	4.0	10.45
24R13U	GGV	6	260-0-260	90	5.0	2.0	6.3 CT	3.0	2 1/4 x 2 1/2	3 3/8	3 x 3 1/2	4.0	10.45
26R31U	GGV	1	260-0-260	90	5.0	2.0	6.3 CT	3.5	2 x 2 1/2	3 3/4	2 3/8 x 3 1/8	3.25	8.90
22R01	AGF	4, 6	275-0-275	50	5.0	2.0	6.3 CT	2.5	2 x 2 1/2	2 3/4	3 x 3 1/2	2.25	10.00
22R03	AGF	4, 8	275-0-275	50	5.0	2.0	6.3 CT	2.5	2 x 2 1/2	2 3/4	3 x 3 1/2	2.25	10.00
22R30	GGV	6	275-0-275	50	5.0	2.0	6.3 CT	2.5	2 x 2 1/2	3 1/4	2 3/8 x 3 1/8	2.25	10.40
22R02	AGF	4, 7	300-0-300	70	5.0	2.0	6.3 CT	3.0	2 x 2 1/2	3 1/4	2 3/8 x 3 1/8	2.75	11.95
22R04	AGF	4, 7	300-0-300	90	5.0	2.0	6.3 CT	3.5	2 1/4 x 2 1/2	3 1/4	2 3/8 x 3 1/8	3.0	11.65
22R05	AGF	4, 7	300-0-300	120	5.0	3.0	6.3 CT	5.0	2 1/4 x 3 1/2	3 3/8	3 3/8 x 3 3/4	4.25	12.75
24R01	AGF	4, 7	325-0-325	40	5.0	2.0	6.3 CT	2.0	2 x 2 1/2	2 3/4	3 3/8 x 3 1/8	2.5	7.65
24R01U	GGV	7	325-0-325	40	5.0	2.0	6.3 CT	2.0	1 3/4 x 2	3 1/8	2 3/8 x 2 3/8	2.5	7.65
22R13	AGF	4, 8	325-0-325	40	5.0 CT	2.0	2.5 CT	4.0	2 x 2 1/2	2 3/4	2 3/8 x 3 1/8	2.5	9.98
24R08U	GGV	7	325-0-325	55	5.0	2.0	6.3 CT	2.0	2 x 2 1/2	3 1/4	2 3/8 x 3 1/8	3.2	8.40
24R08	AGF	4, 7	325-0-325	55	5.0	2.0	6.3 CT	2.0	2 x 2 1/2	3 1/4	2 3/8 x 3 1/8	3.2	8.40
22R37	AGF	4, 8	325-0-325	80	5.0	2.0	6.3	1.2	2 x 2 1/2	3 1/2	2 3/8 x 3 1/8	3.5	12.50
22R10	AGF	4, 8	325-0-325	85	5.0	2.0	2.5 CT	9.0	2 1/2 x 3 3/4	3 3/8	3 3/8 x 3 3/4	3.2	14.20
							2.5 CT	3.5					
22R11	AGF	4, 8	325-0-325	120	5.0	3.0	2.5 CT	5.0	2 1/2 x 3 3/4	4 1/8	3 3/8 x 3 3/4	5.5	12.75
							2.5 CT	12.5					
22R14	WAV	8	325-0-325 77v. Bias Tap	135	5.0	3.0	6.3 CT	2.0	3 3/4 x 4 3/8	5 1/4	4 3/8 x 5 3/8	12.75	37.50
							6.3 CT	4.0					
22R06	AGF	4, 7	325-0-325	150	5.0	3.0	6.3 CT	5.0	2 1/2 x 3 3/4	4 1/8	3 3/8 x 3 3/4	5.5	14.90
24R02	AGF	4, 7	350-0-350	70	5.0	2.0	6.3 CT	2.5	2 1/4 x 2 1/2	3 1/4	2 3/8 x 3 1/8	3.8	9.55
24R02U	GGV	7	350-0-350	70	5.0	2.0	6.3 CT	2.5	2 1/4 x 2 1/2	3 1/4	2 3/8 x 3 1/8	3.8	9.55
22R16	WAV	7	350-0-350	85	5.0	2.0	6.3 CT	2.25	3 1/4 x 3 3/8	4 1/8	3 3/8 x 4 1/4	7.2	19.45
24R04	AGF	4, 7	350-0-350	90	5.0	3.0	6.3 CT	3.5	2 1/4 x 2 1/2	4	2 3/8 x 3 1/8	4.5	11.10
24R04U	GGV	7	350-0-350	90	5.0	3.0	6.3 CT	3.5	2 1/4 x 2 1/2	3 3/4	2 3/8 x 3 1/8	4.5	11.10
22R32	GGV	8	350-0-350	110	5.0	2.0	6.3 CT	3.0	2 1/2 x 2 3/4	3 3/4	3 3/4 x 4	5.8	18.30
							6.3 CT	3.0					
22R15	WAV	8	350-0-350	110	5.0	2.0	6.3 CT	3.0	3 1/2 x 3 3/8	5 1/8	4 1/8 x 4 1/4	8.1	27.50
							6.3 CT	3.0					
24R05	AGF	4, 7	350-0-350	120	5.0	3.0	6.3 CT	4.7	2 1/2 x 3 3/8	4 1/8	3 3/8 x 3 3/4	5.75	11.75
24R05U	GGV	7	350-0-350	120	5.0	3.0	6.3 CT	4.7	2 1/2 x 2 1/2	3 3/4	3 3/4 x 4	5.75	11.75
22R07	AGF	4, 7	350-0-350	200	5.0	3.0	6.3 CT	6.0	3 x 3 3/4	5 1/8	3 3/8 x 4 1/2	7.5	19.45
22R31	GGV	7	360-0-360	80	5.0	2.0	6.3 CT	2.5	2 1/4 x 2 1/2	3 1/4	2 3/8 x 3 1/8	4.0	14.75
22R17	WAV	7	375-0-375	160	5.0	3.0	6.3 CT	3.5	3 3/4 x 4 3/8	5 3/8	4 1/8 x 5 3/8	12.25	30.55
22R33	GGV	7	375-0-375	160	5.0	3.0	6.3 CT	5.0	2 1/2 x 3	4 3/8	3 3/8 x 4	7.5	19.45
22R34	GGV	4, 7	385-0-385	225	5.0	3.0	6.3 CT	5.0	3 x 3 3/4	4 3/8	3 3/8 x 4 1/2	11.2	22.20
24R07	AGF	4, 7	400-0-400	200	5.0	3.0	6.3 CT	5.0	3 x 3 3/4	4 1/4	3 3/8 x 4 1/2	9.25	15.85
24R07U	GGV	7	400-0-400	200	5.0	3.0	6.3 CT	5.0	3 x 3 3/4	4 3/8	3 3/8 x 4 1/2	9.5	15.85
24R03	GGV	7	400-0-400	250	5.0	4.0	6.3 CT	5.0	3 x 3 3/4	4 3/8	4 x 4 3/4	10.0	19.80
22R35	GGV	7	400-0-400	340	5.0	6.0	6.3 CT	7.0	3 x 4	4 3/8	3 3/8 x 5 1/4	12.5	27.20
22R36	GGV	7	600-0-600	200	5.0	3.0	6.3	5.0	3 x 3 3/4	4 3/8	3 3/8 x 4 1/2	9.5	20.00

HALF WAVE RECTIFIERS

Type No.	Mtg. Type	Note	Plate Supply		Rect. Fil.		Other Fils.		Mtg. Centers, In.	Height Inches	Base WxD Inches	Weight Lbs.	List Price
			AC Volts	Ma. DC	Volts	Amps.	Volts	Amps.					
26R32	BGV	1, 5	117	20	6.3	4.5	6.3 CT	0.7	2	2	1 3/4 x 2 1/4	0.75	\$ 5.40
26R14	AGF	4	117	200	6.3	4.5	6.3	4.0	2 1/4 x 2 1/2	3 1/2	3 3/8 x 4 3/8	6.2	17.50
							6.3	2.0					
26R37	BAV	1	125	15	6.3	0.6	6.3	0.6	2	2	2 3/8 x 1 3/8	0.7	3.50
26R38	BAH	1	125	50	6.3	0.6	6.3	2.0	3 1/4	2 1/4	3 3/4 x 2 3/4	1.5	5.80
22R12	BAH	1, 5	150	50	6.3	1.5	6.3	1.5	3 1/4	2 1/4	2 x 3 3/4	1.5	6.40
26R28U	GGV	2, 3	1750	2	2.5	2	6.3	2 or 2.5	2 x 2	3 1/8	2 3/8 x 2 3/8	2.6	13.90
							2.5						
22R40	GGV	2, 3	1800	2	2.5	1.8	6.3 or 2.5	0.6 or 2.2	2 1/2 x 2 3/8	3 1/8	3 1/4 x 3 3/4	5	22.20
24R91	GGV	2, 3	1800	4	2.5	1.75	.....	.....	2 x 2	3 1/8	2 3/8 x 2 3/8	2.7	12.20
22R42	BAH	2, 3	1880	1.5	2.5	1.75	.....	.....	3 3/8	2 1/2	2 3/8 x 4	2	11.00
24R92	GGV	3	2400	5	2.5	1.75	.....	.....	2 1/4 x 2 1/4	4 1/4	3 3/8 x 3 3/8	5.6	17.75
26R29U	GGV	3	2500	5	2.5	2	6.3 or 2.5	3.0 or 3.0	2 1/4 x 2 1/2	3 3/8	3 3/8 x 3 3/4	4.6	17.75

1. For use with 6AX5, 6X4, 6X5 or selenium rectifiers. 2. Applicable to photoflash circuits. See the photoflash listings for supplementary units. 3. May be used in cathode ray tube applications. 4. Universal mounting brackets provide for flush, vertical or horizontal placement. 5. May be used as bias supply transformers.

6. Provides approximately 260 v. to condenser input filter. 7. Choke input filter, VR-tube regulated supply, speaker field for filter supplies, or condenser input filter. 8. Special or combination filament windings.



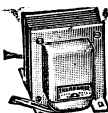
Thordarson Transformers



BAH-BHH



BHV



GGV



TAV



VAV



WTV

OUTPUT TRANSFORMERS HIGH FIDELITY OUTPUT TRANSFORMERS

Thord. No.	Mtg. Type	Imp., Ohms	Pri. Ma. DC#	W.†	Mtg. Cntrs.	List Price
22563	GGV	5000 CT 8/16	150	50	2 3/4 x 3 1/8	\$22.70
22539*	TAV	6000 CT 4/8/16	100	20	2 3/4 x 3 1/8	27.70
22567	GGV	6600 CT 8/16	125	50	2 3/4 x 3 1/8	27.70
22565*	GGV	7600 CT 4/8/16	100	25	2 3/4 x 3 1/8	27.70
22569	GGV	9000 CT 8/16	100	50	2 3/4 x 3 1/8	27.70
22549*	TAV	9500 CT 4/8/16	100	15	2 3/4 x 3 1/8	22.70

*With ultra-linear screen taps. †Each side CT. ‡Watts.

UNIVERSAL OUTPUT SINGLE OR PUSH-PULL PLATES TO VOICE COIL

Thord. No.	Mtg. Type	Primary Impedance	Ma. DC	W.†	Mtg. Cntrs.	Ht. In.	List Price
22586	BAH	2000/3500/8000/14,000 CT#	10	3	2	1 3/8	\$3.85
24560*	BHH	4000/7000/8000/10,000/14,000 CT#	35	4	2	1 3/8	3.20
22587*	BAH	2000/3500/8000/14,000 CT#	10	6	2 3/8	1 3/8	5.00
22588	BAH	2000/3500/8000/14,000 CT#	10	8	2 3/8	2	5.00
24561*	BHH	4000/7000/8000/10,000/14,000 CT#	40	8	2 3/8	1 3/8	3.75
22562*	BHH	1500/2000/2500/3000/4000 CT#	50	8	2 3/8	2	5.45
22560*	BAH	2500/4000 CT#	60	10	2 3/8	2	5.25
24563	BHH	1500 to 4500 CT Voice Coil	75	8	2 1/8	2	4.35
22558*	BAH	5000/7000 CT#	45	10	2 3/8	2	3.75
22564*	BAH	5000/10,000 CT#	35	10	2 3/8	2	5.55
24564	BHH	1500 to 10,000 CT Voice Coil	55	10	2 3/8	1 3/8	3.70
26546*	BHV	4000/7000/8000/10,000/14,000 CT#	40	18	2 3/8	2 3/8	4.75
24555	BHV	3000 to 10,000 CT#	60	20	2 1/8	2 3/8	6.00
22574	BHH	2500/3000/5000/8000/10,000/14,000 CT 1 to 30	80	25	3 3/8	2 1/8	9.25

*Also TV replacement. †Watts. SECONDARY IMPEDANCE: ‡To 3.5/8 ohms. †To 0.1 to 30 ohms.

PUSH-PULL PLATES TO LINE OR VOICE COIL

Thord. No.	Mtg. Type	Pri.-Sec. Imp., Ohms	Ma. DC	W.†	Mtg. Cntrs.	Ht. In.	List Price
22572	GGV	3000 CT to 3.5/8/16/250/500	90	25	1 3/4 x 2	3 3/8	\$ 8.90
22595	GGV	3000/5000 CT to 3.5/8/16	60	25	1 3/4 x 2	3 3/8	13.10
22596	WTV	3090/5000 CT to 3.5/8/16	60	15	2 3/4 x 2 3/8	4 3/8	17.50
22578	GGV	3300 CT to 3.5/8/16/250/500	180	60	2 1/2 x 2 3/8	3 3/8	16.70
22570	GGV	5000 CT to 3.5/8/16/250/500	80	25	1 3/4 x 2	3 3/8	8.90
22597	GGV	6000 CT to 3.5/8/16/250/500	60	25	1 3/4 x 2	3 3/8	12.45
22598	WTV	6000 CT to 3.5/8/16/250/500	60	20	2 3/4 x 2 3/8	4 3/8	19.75
22547*	BAH	6000/7000 CT to 3.5	30	5	2	1 3/8	4.45
22568	GGV	6500 CT to 3.5/8/16/250/500	70	25	1 3/4 x 2	3 3/8	11.00
24557	GGV	6600 CT to 3.5/8/16/250/500	150	35	2 1/2 x 2 3/8	4	12.30
22566	GGV	8000 CT to 3.5/8/16/250/500	60	25	1 3/4 x 2	3 3/8	10.45
22544	VAV	9500 CT to 3.5/8/16	35	12	1 3/8 x 2	3	9.45
24556	BAH	10,000 CT to 2/4/8	75	8	2 3/8	1 3/8	3.80
24593	BAH	10,000 CT to 3.5	40	5	2	1 3/8	3.20
22593	GGV	9500 CT to 3.5/8/16	50	25	1 3/4 x 2	3 3/8	11.95
22594	WTV	9500 CT to 3.5/8/16	50	20	2 3/4 x 2 3/8	4 3/8	16.10
26559*	BAH	9500 CT to 3.5/8/16	30	10	2 1/8	2	4.85
22564	GGV	10,000 CT to 3.5/8/16/250/500	50	25	1 3/4 x 2	3 3/8	10.00
24558	GGV	10,000/7000 CT to 3.5/8/16/500	60	25	2x1 1/8	3 3/8	10.70
22548*	BAH	12,000/16,000 CT to 3.5	8	5	2	1 3/8	3.30
24559	BAH	25,000 CT to 3.5	10	5	2	1 3/8	2.80

*Also TV replacement. †Watts.

HYBRID "PATCH" CIRCUIT OUTPUT

Thordarson No. 22551—Imp., ohms: Pri., 10,000; sec., 500 each. 1 1/8" mtg. cntrs. Mtg. Type TAV. List Price \$6.50

SINGLE PLATE TO VOICE COIL (3.5 OHMS)

Thord. No.	Mtg. Type	Primary Imp., Ohms	Ma. DC	W.†	Mtg. Cntrs.	H.xW.xD. Inches	List Price
21553	BAH	2000	50	3	1 3/4	1 3/8 x 2 3/8 x 1 1/4	\$1.75
21550*	BAH	2000	55	5	2	1 3/8 x 2 3/8 x 1 1/4	2.05
22545*	BAH	1500-3000	55	5	2	1 3/8 x 2 3/8 x 1 1/4	4.15
26558*	BHV	2500	40	3	1 3/8	1 3/8 x 1 1/4 x 1 1/8	2.00
22546*	BAH	2000-3000	35	5	2	1 3/8 x 2 3/8 x 1 1/4	4.70
22550*	BAH	3500	60	8	2 3/8	1 3/8 x 2 3/8 x 1 1/4	3.30
24548	BAH	4-5000	10	5	1 3/4	1 3/8 x 2 3/8 x 1 1/4	3.30
21551*	BAH	5000	40	5	2	1 3/8 x 2 3/8 x 1 1/4	3.30
26549*	BAH	5000	50	8	2 3/8	1 3/8 x 2 3/8 x 1 1/8	3.30
24549	BAH	7-8000	10	5	1 3/4	1 3/8 x 2 3/8 x 1 1/4	2.05
24552*	BAH	7-10,000	30	5	2	1 3/8 x 2 3/8 x 1 1/4	2.30
26548*	BAH	7000	40	8	2 3/8	1 3/8 x 2 3/8 x 1 1/8	3.30
24581	BAH	8000	20	3	1 3/4	1 3/8 x 1 1/4 x 1 1/8	1.50
24582	BAH	8000	30	3	1 3/4	1 3/8 x 2 3/8 x 1 1/4	2.50
24583	BAH	10,000	30	3	1 3/4	1 3/8 x 2 3/8 x 1 1/4	2.70
24584	BHV	10,000	30	3	1 3/4	1 3/8 x 1 1/4 x 1 1/8	2.70
25547*	BAH	14,000	35	12	2 1/8	2 x 3 3/8 x 2 1/4	3.75
24584	BAH	15-20,000	10	5	2	1 3/8 x 2 3/8 x 1 1/4	2.35

†Watts. *Also TV replacement.

LINE TO VOICE COIL

Thord. No.	Mtg. Type	Impedance, Ohms	W.†	Mtg. Cntrs.	Ht. In.	List Price
22581	BAH	Primary 45/50	3.5/8	8	2 3/8	\$3.30
24575	BHH	500	3.2/8	5	2	5.60
24545	BHV	500	4/6/8/15	15	2 3/8	5.20
22580	BHH	500/600	3.5/8/16	8	2 3/8	6.65
22584	BAH	500/1000/1500/2000	3.5/8/16	5	2 3/8	5.80
24546	BHH	500/1000/1500/2000	3.2/8	8	2 3/8	3.55
22585	BAH	500/1000/1500/2000	3.5/8/16	8	2 3/8	6.40
24566	BHV	500/1000/1500/2000	3.5/8	10	2	4.65
24547	BHV	500/1000/1500/2000	3.2/8	12	2 3/8	4.70
22583	BAH	500/1000/1500/2000	3.5/8/16	15	3 3/8	6.65
22582	BHH	500/1000/1500/2000	3.5/8/16	25	3 3/8	6.00
24576*	BHV	1000/1500/2000/2500/3000	.06 to 8	15	2 3/8	6.10
24562*	BHV	1000/1500/2000/2500/3000	.12 to 16	25	3	7.20

†Watts. *Line to multiple voice coil.

70.7 VOLT LINE TO VOICE COIL (MTG. BHV)

Thord. No.	Power Steps In Watts	Sec. Ohms	Mtg. Cntrs.	Ht. In.	List Price
24570*	16/8/4/2/1/0.5	4/8/16	3 3/8 x 2	2 3/8	\$16.70
24571	8/4/2/1/0.5	4/8/16	2	2 3/8	4.85
24572	16/8/4/2/1/0.5	4/8/16	2 1/8	2 3/8	6.95
24573*	10/5/2.5/1.25	4/8	2 3/8	2 3/8	5.55
24574	5/2.5/1.25/62/31	4/8	2	1 3/8	3.61

25 VOLT LINE TO VOICE COIL (MTG. BHV)

Thord. No.	Power Steps In Watts	Sec. Ohms	Mtg. Cntrs.	Ht. In.	List Price
24521	8/4/2/1/0.5	4/8/16	2	2	\$4.85
24522	16/8/4/2/1/0.5	4/8/16	2 1/8	2 3/8	6.95
24523*	10/5/2.5/1.25	4/8	2 3/8	2 3/8	5.55
24524*	5/2.5/1.25/62/31	4/8	2	1 3/8	3.61

*Mtg. TAV; with wattage selection switch. *Mtg. BHH. †Autoformer.

TUBE OR CRYSTAL CUTTER AND VOICE COIL

Thordarson No. 22599—Primary-Secondary Impedance: 5,000 ohm plate to 10,000 ohm crystal and 3.2 ohm. Ma. DC: 50. 4 watts. Mounting type BGH. 2 3/4" mounting centers. Size: 2" h. 3 3/4" x 3 3/4" w. x 1 3/4" d. Weight, 1 1/4 lbs. List Price \$5.00

SPLATTER SUPPRESSOR FILTERS

Modulation reactor type.

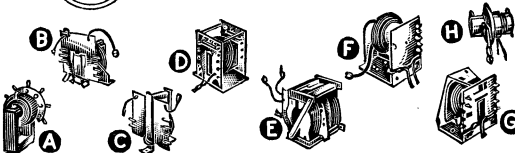
Thord. No.	Mtg. Type	Inductance Hy. at Ma. DC	DC Res.	RMS Test	Mtg. Cntrs.	Ht. In.	List Price
20C62	BAH	0.2-1.5	100	95	2 3/8	2	\$ 7.00
20C60*	KTV	0.2-1.5	300	470	9000	3 3/8 x 2 3/8	41.15
20C61*	KTV	0.2-1.5	500	37	9000	3 3/8 x 2 3/8	45.55

*Can be used in special splatter circuit with No. 21F05.



Thordarson TV Transformers

HORIZONTAL OUTPUT TRANSFORMERS (FLYBACKS)



Thord. No.	Mtg. Type	Application	List Price
FLY-1	CAF	RCA 211T1, 211T3.	\$10.55
FLY-2	CAG	RCA, Emerson, Capehart, Packard Bell GE 7711.	7.20
FLY-3	CAE	RCA 211T5, Admiral, Crosley, Emerson	11.10
FLY-4	CAF	Multi-purpose	11.10
FLY-5	CAJ	Admiral 79C30-2, -4, 79C38-1, 79D38-1	12.20
FLY-6	CAD	Westinghouse V9904, -1, 10204-1, 10213-1, 10214-1	11.65
FLY-7	CAN	Emerson 738055, 738060, 64; Hallcrafters 55C156, E. 55C171	11.10
FLY-8	CAE	Magnavox 320061-1, -3 (630 circuits)	11.65
FLY-9	CAY	Admiral 79C30-1, -3	11.65
FLY-10	CAD	Philco 32-8555	11.65
FLY-11	CSY	RCA 225T1, Farnsworth, Stromberg	11.10
FLY-12	CAA	Carlson, Silvertone Olympic	11.65
FLY-13	CTN	Muntz TO-0031, -2	11.65
FLY-14	CAE	Emerson 738067, 68, 69, 73, 75, 82, 83, 85, 86	11.10
FLY-15	CAA	RCA 230T1, Hoffman 5156, 5160	13.00
FLY-16	CAM	RCA 231T1—Multi-Purpose	11.65
FLY-17	CAK	RCA 235T1, CBS PC-10155, Stromberg	10.55
FLY-18	CAA	Carlson 161045, Hallcrafters 55D216	12.50
FLY-19	CAE	Philco 32-864 Voltage Doubler Type	11.50
FLY-20	CAL	Hoffman 5184	14.40
FLY-21	CAJ	GE RTO-146, -3	11.65
FLY-22	CSY	Motorola 24C730902, 24K730904	8.55
FLY-23	CSY	Admiral 79D41-1, -2	8.90
FLY-24	CSY	Sylvania 241-0003, 241-0005, 241-0006	12.20
FLY-25	CAO	Sylvania 241-0007	12.20
FLY-26	CCT	RCA 76795, Hallcrafters, Packard Bell	9.45
FLY-27	CAN	Hoffman 5139, 5144, 5145, 5146, 5148, 5149, 5155	12.20
FLY-28	CAN	Crosley 157820-5-1, 158481-1, -2, -5, -3-5, 159412-1-3, Hallcrafters, Sentinel	12.20
FLY-29	CAN	Magnavox 360552, -1, -2, -2A, 360577, 360593	11.95
FLY-30	CAH	Philco 32-8565, 32-8607	12.20
FLY-31	CAH	Magnavox 360580, -1, 360604-1, 360610-1	12.20
FLY-32	CAH	Motorola 24C711652, 24C701552, 24C701636	14.95
FLY-33	CAH	Philco 32-8509, 33-8465, -2	14.95
FLY-34	CAA	Philco 32-8509-2, 32-8484-2	11.10
FLY-35	CAA	Motorola 24C790184, 24C790184, 24K791974	12.75
FLY-36	CAA	Motorola 24C701134, 24C701636, 24C792596, D, 24K700588, 24K701099, 24K792753, D	12.20
FLY-37	CAA	Airline, Belmont-Raytheon, Coronado, Trans-Vue, Truetime—C12M-17967, C12M-18285, C12M-18286	15.00
FLY-38	CAA	Airline, Belmont-Raytheon, Coronado, Truetime, 201-18530, 201-18562, -1, 53X319, 53X320	13.90
FLY-39	CAA	Airline, Belmont-Raytheon, Coronado, Truetime, Trans-Vue, 201-19817, -1, -2, -3, C12M-19407, -1, -2, C12M-19408, C12M-19190, 53X315, 520489	13.90
FLY-40	CAA	Airline, Belmont-Raytheon, Coronado, Firestone, Truetime, 201-19874, 201-19999, 201-21270, -1, Wells Gardner, Sentinel, Spartan	13.90
FLY-41	CAA	RCA 232T1	13.90
FLY-42	CAA	Airline, Belmont-Raytheon, Truetime	13.90
FLY-43	CAA	201-21025, -1	13.90
FLY-44	CAJ	Motorola 24C792691	13.90
FLY-45	CAE	Airline, Belmont-Raytheon 201-22396, Belmont-Raytheon 201-22382	15.00
FLY-46	CAP	RCA 76501	7.20
FLY-47	CAM	RCA 211T1 with AGC	12.50
FLY-48	CAN	RCA 75240, 75519, 75585, 76154, 76381	7.50
FLY-49	CAE	Emerson 738034	11.65
FLY-50	CAE	Philco 32-8428, -1, -2	13.90
FLY-51	CAH	Philco 32-8095, -3	15.00
FLY-52	CAE	Majestic CR-253, CR-259, GE RTO-101, 104, 109, 114	12.20
FLY-53	CAU	Regal 140-126, Jewel 91T5A, Truetime	12.20
FLY-54	CAU	CBS, Silvertone A10126	11.65
FLY-55	CAU	Zenith S-16566, 17140, 17233, 17245, 17646, 17927, 17939, 18125, 18487, 18537, 20908	11.10
FLY-56	CAU	Zenith S-15015, 15709, 15911, 15912, 16191, 16204, 17130, 17244, 17265, 17669, 17767, 17812	11.10
FLY-57	CAU	Traveler TVX107, 108, 109, 110, 111, 112, 113, 114, 130, 131	11.65
FLY-58	CAX	Philco 32-533, 32-8534	11.10
FLY-59	CAU	Muntz TO-0036, -1	11.10
FLY-60	CAU	Hallcrafters 55D193, 55D197, Motorola 24K735868, 24K735844	13.90

Thord. No.	Mtg. Type	Application	List Price
FLY-58	CAU	CBS, Silvertone, Firestone, A-10136, 37, 38, 59	\$11.65
FLY-59	CAU	Airking, CBS, A-10104, 7, 8, 10, 35, Magnavox 320055-1	11.65
FLY-60	CAW	RCA 78201, 78810, 79145, 79736, 79870, 100860	11.10
FLY-61	CAN	Dumont 20005021	12.20
FLY-62	CAL	Motorola 24K712193, 24K711937	14.45
FLY-63	CAL	Motorola 24K721301, C, 24K711265, 24C-711265, A, 24C721290, C, 24K730692, Hoffman 5165, 5168	14.45
FLY-64	CAL	Motorola 24K733100	14.45
FLY-65	CTE	Motorola 24K790958	14.45
FLY-66	CAP	RCA 77833	7.20
FLY-67	CAY	Muntz TO-0028, 29	10.00
FLY-68	CAC	Philharmonic 80-263, 80-265-2, Airline, Silvertone, Jackson	11.10
FLY-69	CSY	Sylvania 241-0010, 241-0012	11.00
FLY-70	CAL	Crosley 154069-1, 154990, -2, -3, Hallcrafters 55D1157	13.50
FLY-71	CAL	Crosley 155514-1A	14.45
FLY-72	CAL	Crosley 155445-2	14.45
FLY-73	CAN	Westinghouse V-11548-1, -2, -3, -4	12.20
FLY-74	CAL	Motorola 24C731610, 24K732584, 24K733401	14.45
FLY-75	CTD	Admiral 89C60-1	7.60
FLY-76	CTD	Admiral 79C60-2, Westinghouse V-15324-1, -2, -3, 15650-1	9.00
FLY-77	CTD	Admiral 79C60-3, -4, -5, -6	11.00
FLY-78	CTD	Admiral 79D48-1	10.80
FLY-79	CTF	Magnavox 360066, -1, 360614-1, 360623, -1	12.20
FLY-80	CTG	Airline, Coronado, Truetime, Belmont-Raytheon 12E-23939, Bendix 265106-1	8.35
FLY-81	CTI	Sylvania 241-0013	14.45
FLY-82	CTB	Zenith S-18567, 18990, 19728	10.00
FLY-83	CTB	Zenith S-19032	10.10
FLY-84	CTB	Zenith S-20993	11.10
FLY-85	CTE	Raytheon, AD148258, 149567, 149661, 151195, 151802, 153619	13.00
FLY-86	CAE	GE RTO-125, -126, -127	10.20
FLY-87	CAE	GE RTO-129, -130	10.00
FLY-88	CAE	GE RTO-131, -141, -146-3	10.80
FLY-89	CTL	Emerson 738091, 738096, 738099, 738100	10.55
FLY-90	CTF	GE RTO-150, RTO-149-1	12.20
FLY-91	CSY	Sylvania 241-0011	12.20
FLY-92	CTM	Airline, Sentinel, 22E57, -2, -3, -4, -5, -6, 22E61, -2, -3	11.10
FLY-93	CTM	Airline Sentinel 22E67	11.10
FLY-94	CTF	GE RTO-175, -3	11.10
FLY-95	CTP	Westinghouse 493V004M02	11.10
FLY-96	CSY	Westinghouse 493V003M03	11.10
FLY-97	CTG	Raytheon, Truetime, Airline C12E25423, 24	7.20
FLY-98	CTG	Raytheon, Truetime, Airline C12E27149, -1	7.20
FLY-99	CTG	Raytheon, Truetime, Airline C12E27097	7.20
FLY-100	CTG	RCA 103092 (972914-1)	11.10
FLY-101	CTL	Raytheon 12E24612, -1	7.20
FLY-102	CTL	GE RTO-151, -3	9.20
FLY-103	CTL	CBS 12001051, 12001091, 12001131	11.10
FLY-104	CTL	G.E. RTO-166, -5, -174	9.20
FLY-105	CTF	G.E. RTO-165, -1	10.00
FLY-106	CAN	CBS PC10147, PC10161	11.65
FLY-107	CAE	G.E. RTO-173	10.00
FLY-108	CTF	G.E. RTO-183	10.00
FLY-109	CAR	Hallcrafters 55D285, Sylvania 241-0044	8.55
FLY-110	CTU	Zenith S-19408	10.00
FLY-111	CTW	Zenith S-21317	10.00
FLY-112	CTL	G.E. RTO-161	9.30
FLY-113	CAL	Airline MW22E75, Sentinel 22E75, -L	13.60
FLY-114	CTZ	Zenith S-22130	9.15
FLY-115	CAA	Dumont 20000731	10.80
FLY-116	CTZ	Zenith S-22154	9.15
FLY-117	CTZ	Zenith S-21219	9.15
FLY-118	CTY	Zenith S-22451, S-23995	10.40
FLY-119	CAA	Philco 32-8572	10.55
FLY-120	CAR	Crosley 159947-2	12.20
FLY-121	OTS	Motorola 24K736488	11.60
FLY-122	CTP	Admiral 79C73-1, 79H70-1	11.50
FLY-123	CTS	Motorola 24K739284, 24K741938	12.40
FLY-124	CRA	RCA 100285, 100828	12.40
FLY-125	CTN	Silvertone T80-320	11.10
FLY-126	CTN	Silvertone T80-368, -390, -411	11.10
FLY-127	CTN	Silvertone T80-326, -336, -363, -361	11.10
FLY-128	CTZ	Zenith S-24978	11.10
FLY-129	CBE	Bendix NH-265051-1, -2	14.75
FLY-130	CPH	Philco 32-8709-1	10.00
FLY-131	CPH	Philco 32-8695-1	10.00
FLY-132	CTV	Zenith S-20099	11.60
FLY-133	CTZ	Zenith S-23049	9.55
FLY-134	CBF	Capehart Farnsworth S50220, S50285	12.00

Illustrations A through H represent typical mountings. Write for Thordarson-Meissner TV Replacement Guide for complete illustrations.

TV GUIDE: Indexed by manufacturers' model number and chassis number as well as by part number. Over 100 pages.

TV REPLACEMENT GUIDE: A loose-leaf guide. Covering the 33 major categories of TV replacement components in 85% of the total TV receivers in use today.



Thordarson TV Components



BAV-BAH



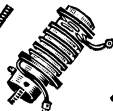
AGF



GGV



IF



OC



PS



RAS



RBY



SU

WIDTH AND LINEARITY CONTROLS

Thord. No.	Induct., Mh.	DC Ohms	Mtg. Type	Mtg. Hole	Size, In.	Di.	List Price
WC-10	.05-0.3	.194	IF	5/16	2	5/8	\$1.10
WC-11	.05-0.3	.51	IF	5/16	1 1/2	7/8	1.40
WC-12	.8-3.7	17	IF	7/16	2 1/2	7/8	1.40
WC-13†	4.2-30	22	IF	7/16	2 1/2	7/8	2.25
WC-14	5.5-20	34	IF	5/16	2	5/8	1.55
WC-15	.17-.61	1	IF	5/16	2 7/8	7/8	1.10
WC-16†	.55-2.3	8.3	IF	5/16	2 1/2	7/8	1.25
WC-17†	1.3-4.3	7	IF	5/16	2 1/2	7/8	1.30
WC-18	2.5-.50	18	IF	5/16	2 1/4	3/4	1.70
WC-19	10-.50	40	IF	7/16	2 1/4	3/4	2.10
WC-20†	2.6-7.5	22	IF	7/16	2 1/4	3/4	2.25
	4-28	22					
WC-21*	1.2-18	10	PR	5/16	3 1/4	5/8	3.50
WC-22	2-17	2.8					
WC-23	1-10		IF	5/16	2 1/4	5/8	1.75
WC-24	5-3.5	2.3	IF	7/16	2 1/4	5/8	1.40
	4.4-29	28	PR	7/16	2 1/4	5/8	3.05
	2.3-.35	3.5					
WC-25§	.75-3.9	16	IF	5/16	2	5/8	1.40
WC-26§§	10-23	114	IF	5/16	2 3/4	1 1/8	2.25
	.22-1.1						
WC-27††	3-2.9	28	IF	5/16	2 3/8	5/8	1.75
	.16-.70	1.0					
WC-28††	7-11.8	10	IF	7/16	2 3/8	5/8	2.60
WC-29§§§	4-30	23	PR	5/16	2 3/4	5/8	3.05
	.075-.80	3					
WC-30†	45-215	130	IF	7/16	2 1/4	1 1/8	2.60
WC-31††	47-110	175	IF	7/16	1 3/4	1 1/8	2.20

*For "Double-Action" width control circuits; one coil parallel with flyback, other in series with deflection yoke. †AGC winding. ‡Linearity coil with deflection yoke. §AGC winding. ††Width coil with keyed winding. ‡‡Width coil tapped at 7.22. §Width coil. §§Tapped width coil. ††Tapped.

VERTICAL DEFLECTION OUTPUT TRANSFORMERS

Thord. No.	Turns Ratio	Primary Impedance	Mtg. Cntrs.	Base Area	Wt. Lbs.	List Price
26570	5:1	6500 at 13 ma.	2 1/16	3 1/4 x 1 1/4	1.5	\$4.45
26575	5:1-50:1	40 ma. max.	2 1/16	3 1/4 x 2 1/2	1.75	7.75
26571	6:1	7500 at 27 ma.	3 1/8	3 3/4 x 2	2.5	4.45
26574*	7.5-15:1	8500 at 19 ma.	3 1/8	3 3/4 x 2 1/2	1.8	5.10
26572	8:1	7000 at 30 ma.	3 1/8	3 3/4 x 2	2.5	5.60
26577	8:1	16500 at 10 ma.	2 1/8	1 3/4 x 1 1/4	1.0	4.90
26573†	9:1	11000 at 19 ma.	3 1/8	3 3/4 x 2 1/2	2.5	4.20
26579†	9:1	11000 at 19 ma.	3 1/8	3 3/4 x 2 1/2	1.7	4.75
26578§	10:1	18000 at 10 ma.	**	2 1/4 x 2 1/2	2.2	6.70
26581	10:1	18000 at 12 ma.	**	3 1/4 x 1 1/2	2.5	4.70
26583	10:1	19700 at 13 ma.	2 1/8	3 1/4 x 2	2.5	6.80
26586§	10:1	20000 at 13 ma.	††	2 1/4 x 2 1/2	2.5	7.30
26582†	11.4:1	15000 at 20 ma.	2 1/8	3 x 1 1/4	1.5	4.40
26576†	15:1	18000 at 11 ma.	2 1/8	3 1/4 x 1 1/2	1.5	4.70
26584*	18:1	30000 at 10 ma.	3 1/8	3 3/4 x 2	2.5	6.40
26585†	25:50:1	14000 at 20 ma.	3 1/8	3 3/4 x 2	2.5	7.50
26586*	25:50:1	17200 at 20 ma.	3 1/8	3 3/4 x 2 1/2	2.5	7.50
26587	44:1	11000 at 20 ma.	††	2 1/4 x 2 1/2	2.25	7.50
26509		Exact Replacement for Muntz TO-0045				4.20
26510		Exact Replacement for Muntz TO-0051				5.70
26511		Exact Replacement for Zenith 95-1309				5.00
26512		Exact Replacement for RCA 102046				4.85

*CAF-1 mtg. †CAF-2 mtg. §CAF-3 mtg. *BAV mtg. *Autoformer. †Has blanking winding. ††R. Primary to Blanking Winding: 2.5:1. **1 1/2 x 1 1/4. ††1 1/2 x 2. †††1 1/2 x 2. All others BAH.

HORIZONTAL "SYNC" TRANSFORMERS

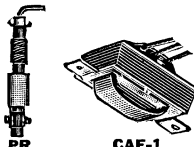
Thord. No.	Function	Base Area Inches	Wt. Lbs.	List Price
HS-1*	Hor. Osc. and AFC Diser.	1 1/8 x 1 3/8	0.3	\$2.80
HS-2*	Hor. Osc. & Sync. Control	1 1/8 x 1 3/8	0.3	2.25
HS-3*	Hor. Osc. & Sync. Stabilizer	1 1/8 x 1 3/8	0.3	2.80
HS-4*	10-50 Mh. Ringing Coil	1" Dia.	0.3	2.25
HS-5*	10-50 Mh. Ringing Coil	3/4" Dia.	0.3	2.25
HS-6**	90-160 Mh. Hor. Osc. Coil	3/4" Dia.	0.3	2.25
HS-7**	15-85 Hor. Osc. Coil†	1 1/8" Dia.	....	2.00
HS-8**	5.2-15.8 Hor. Wave Shaping Coil†	3/8" Dia.	....	1.30
HS-9*	Hor. Osc. & Sync. Stabilizer††	1 1/8 x 1 3/8	....	2.80

*Exact replacement for RCA 103103. †Exact replacement for RCA 103102. ††Same as HS-3 but has Hor. Freq. adjustment opposite terminal end. Mtg. Types: *SU, †PS, **IF.

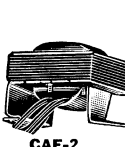
HORIZONTAL BLOCKING OSCILLATOR TRANSFORMERS

Thord. No.	Turns Ratio	Mounting Centers	Ht. In.	Base Area Inches	Wt. Lbs.	List Price
24A89†	2:1	2	1 1/4	2 3/4 x 1 1/4	0.5	\$3.30
24A90†	2:1	2	1 1/4	2 3/4 x 1 1/4	0.75	4.15

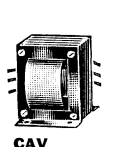
Mounting Types: *BAH, †TAV.



CAF-1



CAF-2



CAV

DEFLECTION YOKES

All yokes have leads and network installed; cosine wound for anti-astigmatic focusing.

Thord. No.	Mtg. Type	Inductance (Mh)		Resistance Ohms		Size, In. O. Dia. x L.	Max. Scan	List Price
		Hor.	Vert.	Hor.	Vert.			
Y-1	RBY	8.3	50	14	68	3 1/4 x 2 3/4	50"	\$11.00
Y-2	RBY	8	48	15	68	3 1/4 x 2 3/4	50"	11.00
Y-3	RBY	8.3	50	13.5	64.6	3 1/4 x 2 3/4	53"	10.00
Y-4	RBY	13.3	41	23.5	48	3 1/4 x 2 3/4	70"	11.10
Y-5	RBY	8.4	55	11.5	70	3 1/4 x 2 3/4	70"	11.10
Y-6	RBY	10.3	36	13.5	48.7	3 1/4 x 2 3/4	70"	11.10
Y-7	RBY	13.3	41	23.5	48	3 1/4 x 2 3/4	70"	11.10
Y-8	RBY	30	48	45	63	3 1/4 x 2 3/4	70"	11.00
Y-9	RBY	17	44	20	60	3 1/4 x 2 3/4	70"	11.10
Y-10	RBY	20	40	28	50	3 1/4 x 2 3/4	70"	12.20
Y-11	RBY	25	3.3	27	4	3 1/4 x 2 3/4	70"	12.20
Y-12	RBY	30	45	45	60	3 1/4 x 2 3/4	70"	11.10
Y-13	RBY	30	3.5	45	3.5	3 1/4 x 2 3/4	70"	11.10
Y-14	RCY	12	41	14	44	3 1/4 x 3 1/8	90"	13.90
Y-15	RCY	30	42	50	44	3 1/4 x 3 1/8	90"	13.90
Y-16	RCY	19	43	30	50	3 1/4 x 3 1/8	90"	12.20
Y-17*	RBY	30	3.5	45	3.5	3 1/4 x 2 3/4	70"	11.80
Y-18†	RBY	25	42	34	53	3 1/4 x 2 3/4	70"	12.20
Y-19†	RBY	14	36	20	50	3 1/4 x 3 1/8	70"	13.90
Y-20**	RCY	20	38	32	50	3 1/4 x 3 1/8	90"	13.90
Y-21††	RCY	12	44	15	45	3 1/4 x 4	90"	14.45
Y-22	\$Sylvania 100-0004						70"	12.20
Y-23	\$Sylvania 100-0009						70"	12.20
Y-24	\$RCA 76653 (971387-3), 78278 (971744-1)						70"	11.10
Y-25	\$RCA 101147 (972459-2-3)						70"	13.90
Y-26	\$Crosley-Airline 158426-1, 158420-1, -2						90"	13.90
Y-27	\$G.E. RLD-025						70"	11.50
Y-28	\$G.E. RLD-037						70"	12.75
Y-29	\$G.E. RLD-039						70"	15.70
Y-30	\$G.E. RLD-040, RLD-041, RLD-045						70"	14.70
Y-31	\$G.E. RLD-042, RLD-047						70"	12.75
Y-32	\$G.E. RLD-052, RLD-067						70"	13.35
Y-33	\$G.E. RLD-068, RLD-073						70"	13.90
Y-34	\$G.E. RLD-059						90"	16.75
Y-35	\$Motorola 24C702655, 958, 703260, 711217, 581, 584, 587, 720154, 721829, 24K702657, 661, 663, 958, 959, 703262, 263, 265, 711217, 268, 581, 583, 584, 585, 587, 720155, 622, 623, 624, 747, 721820, 831						70"	11.50
Y-36	\$Motorola 24C730632, 24C730634						70"	11.50
Y-37	\$Motorola 24C733962, 24K732710, 24K632711, 24C733411, 24C733436, 962						90"	13.25
Y-38	\$Motorola 24D733239, 24K735873						90"	13.75
Y-39	\$Zenith 95-1443						90"	13.75

Exact Replacements for: *RCA 74952—with plug. †Motorola 24K700694. ‡Sylvania 100-0003, 5, 6, 7. **Motorola 24K733239R—with plug. ††GE RLD-069—with plug and mounting device. §Exact Replacements for makes mentioned.

VERTICAL BLOCKING OSCILLATOR TRANSFORMERS

Thord. No.	Turns Ratio	Mounting Centers	Ht. In.	Base Area Inches	Wt. Lbs.	List Price
26A02†	1:1.5	1 1/4	1 1/4	1 1/4 x 2	0.5	\$3.00
24A87†	1:4.14	2	1 1/4	2 3/8 x 1 1/4	0.5	2.90
24A88**	1:4.14	2	1 1/4	2 3/8 x 1 1/4	0.75	4.00
26A01††	1:0.48-1:1	2 3/8	1 1/4	2 3/8 x 1 1/4	0.5	4.55
26A03†	1:4.14	1 1/4	1 1/4	1 1/4 x 2	0.5	1.0
26A04††	1:4.14	1 1/4	1 1/4	1 1/4 x 1 1/4	0.75	4.00
26A05†	1:3.5	1 1/4	1 1/4	2 3/8 x 1 1/4	0.5	2.90

Mounting Types: †BAH, ††BAV, **TAV, ††XAV. *Constructed with two isolated secondarys.

HIGH VOLTAGE OSCILLATOR COILS (MTG. OC)

Thord. No.	Description	Mtg. Cntrs.	Size, In.	Di.	List Price
HVO-50	10 kv @ 50 μA w/recommended circuit; 8 kv @ 400 μA	1 1/4"	4 1/8 x 2		\$ 8.90
HVO-51	30 kv @ 50 μA w/rec. circuit	1 1/2"	5 1/2 x 2 3/8		13.90

FOCUS COILS

Thord. No.	DC Ohms	Max. DC	Mtg. Type	Size, In.	Wt. Lbs.	List Price
FC-1	245	200	RCS	3 3/8 x 1 1/2	2.0	\$ 9.15
FC-2	360	140	RCS	3 3/8 x 1 1/2	2.0	9.15
FC-3	470	100	RAS	4 3/4 x 1 1/2	3.2	12.05
FC-4	1000	75	RCS	3 3/8 x 1 1/2	2.0	12.20



Thordarson Transformers

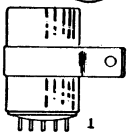
TELEVISION POWER TRANSFORMERS†

Thord. No.	Plate Supply Volts	Ma. D.C.	Rectifier Volts	Filaments Amps.	Other Volts	Filaments Amps.	Mtg. Type‡	Mtg. Cen- ters, In.	Dimensions, In. H. W. x D.	Weight Lbs.	List Price
26R14	117	200	.....	.....	6.3 6.3 6.3	4.5 4.0 2.0	AGF	2 3/4 x 2 1/2	3 1/2 3 1/2 x 4 1/2	6.2	\$17.50
26R13	140 Tap 117	300	.....	.....	6.3 6.3 6.3	9.0 2.0 1.0	AGF	3 x 3 3/4	3 1/2 3 3/4 x 4 1/2	7.5	18.60
26R81	220-0-220 130-0-130	330 220	5.0	3.0	6.3 6.3 6.3 or 12.6CT	6.5 6.5 6.5	AGF	3 x 3 3/4	4 1/2 3 3/4 x 4 1/2	10.5	31.30
26R36	260-0-260	150	5.0	3.0	6.3	5.0	AGF	2 1/2 x 3 1/2	3 3/4 3 1/2 x 3 3/4	4.25	10.00
26R88	265-0-265	300	5.0	6.0	6.3 6.3 6.3	6.0 6.0 1.2	AGF	3 x 3 3/4	5 3 3/4 x 4 1/2	11	26.10
26R89*	280-0-280	260	5.0	3.0	6.3 6.3 6.3	8.0 1.5 1.2	AGF	3 x 3 3/4	5 1/2 3 3/4 x 4 1/2	11.25	28.75
26R90	280-0-280	260	5.0	3.0	6.3 6.3 6.3	8.0 1.5 1.2	AGF	3 x 3 3/4	5 3 3/4 x 4 1/2	11	24.45
26R91	300-0-300	250	5.0	3.0	6.3 6.3 6.3	11.7 1.2	AGF	2 3/4 x 3 1/2	5 3 1/2 x 4 1/2	9.5	25.00
26R34†	300-0-300	340	5.0	6.0	6.3 6.3 6.3	1.2 1.2 10.2	AGF	3 x 3 3/4	5 1/2 3 3/4 x 4 1/2	11	33.85
26R92	300-0-300	400	5.0	6.0	6.3 6.3 6.3	10.2 4.5 1.2	AGF	3 x 3 3/4	5 3/8 3 3/4 x 4 1/2	13	28.30
26R93	315-0-315	310	5.0	6.0	6.3 6.3 6.3 6.3	6.0 6.0 1.2 1.0	AGF	3 x 3 3/4	5 3 3/4 x 4 1/2	11	24.45
26R94	340-0-340	360	5.0	6.0	6.3 6.3 6.3 6.3	2.5 5.0 5.0	AGF	3 x 3 3/4	5 3/8 3 3/4 x 4 1/2	12.5	32.75
24R98	350-0-350	175	5.0 5.0	3.0 2.0	6.3 6.3	7.0 0.9	AGF	3 x 3 3/4	4 1/2 3 3/4 x 4 1/2	8.5	22.20
22R07	350-0-350	200	5.0	3.0	6.3CT	6.0	AGF	3 x 3 3/4	3 1/2 3 3/4 x 4 1/2	7.5	19.45
26R25U	350-0-350	200	5.0 5.0 5.0	3.0 3.0 3.0	6.3 6.3 6.3	7.0 0.6	GGV	3 x 3 3/4	4 1/2 3 3/4 x 4 1/2	11.2	23.60
26R21	350-0-350	225	5.0	3.0	6.3 6.3 6.3	10.0 2.7	AGF	3 x 3 3/4	4 3/4 3 3/4 x 4 1/2	11.5	23.60
26R20*	350-0-350	225	5.0CT	3.0	6.3 6.3 6.3	10.0 2.7	AGF	3 x 3 3/4	4 3/4 3 3/4 x 4 1/2	11.5	25.00
26R23	360-0-360	180	5.0	3.0	6.3	9.0	AGF	2 3/4 x 3 1/2	4 1/4 3 1/2 x 4 1/2	8	23.60
26R22*	360-0-360	180	5.0CT	3.0	6.3	9.0	AGF	2 3/4 x 3 1/2	4 1/4 3 1/2 x 4 1/2	8	25.00
26R82	360-0-360 165-0-165	185 65	5.0	3.0	6.45	12.0	AGF	3 x 3 3/4	4 1/4 3 3/4 x 4 1/2	9.6	23.75
26R17	360-0-360	250	5.0 5.0	3.0 3.0	6.3 6.3	9.0 3.0	AGF	3 x 3 3/4	5 1/2 3 3/4 x 4 1/2	11	27.90
26R15	360-0-360	250	5.0 5.0	3.0 3.0	6.3 6.3	9.0 3.0	AGF	3 x 3 3/4	5 1/2 3 3/4 x 4 1/2	11	27.50
26R35	360-0-360	270	5.0 5.0	3.0 3.0	6.3 6.3 6.3	4.5 4.5 1.6	AGF	3 x 3 3/4	4 1/2 3 3/4 x 4 1/2	10	26.00
26R16	362-0-362	295	5.0 5.0	6.0 2.0	12.6CT	5.0	AGF	3 x 3 3/4	4 3/4 3 3/4 x 4 1/2	10.7	33.90
26R83	370-0-370	190	5.0	3.0	6.3 6.3	7.75 1.2	AGF	3 x 3 3/4	5 1/2 3 3/4 x 4 1/2	10.8	28.30
24R06	375-0-375	150	5.0	3.0	6.3CT	4.7	AGF	2 3/4 x 3 1/2	3 1/2 3 1/2 x 4 1/2	6.25	13.90
24R06U	375-0-375	150	5.0	3.0	6.3CT	4.7	GGV	2 3/4 x 2 1/2	4 1/4 3 1/2 x 4	6.25	13.90
26R84	375-0-375	205	5.0	3.0	5.0 6.3 6.3	2.0 5.6	AGF	3 x 3 3/4	4 1/2 4 1/4 x 4 1/2	9.1	21.65
26R85*	375-0-375	225	5.0CT	3.0	6.3 6.3 6.3	2.0 9.0	AGF	3 x 3 3/4	5 3 3/4 x 4 1/2	10.5	26.20
26R86	380-0-380	220	5.0	3.0	6.3 6.3 6.3	1.2 5.0 7.0	GGV	3 x 3 1/2	4 3/4 4 x 4 3/4	10.5	25.50
26R95	380-0-380	250	5.0	3.0	6.3 6.3 6.3 or 12.6CT	5.0 7.0 1.2	AGF	3 x 3 3/4	5 3 3/4 x 4 1/2	11	26.10
26R26U	400-0-400	300	5.0 5.0	3.0 6.0	12.6CT	10.0	GGV	3 1/2 x 4 1/4	5 1/2 4 3/8 x 5 3/4	10.2	33.90
26R33	300-0-300 250-0-250	250 280	5.0 5.0	3.0 3.0	6.3 6.3	5.0 5.0	AGF	3 x 3 3/4	4 1/2 3 3/4 x 4 1/2	11	22.20
26R24*	322-0-322 205-0-205	180 70	5.0CT	3.0	6.3 6.3	10.0 3.0	AGF	3 x 3 3/4	4 3/4 3 3/4 x 4 1/2	11.25	30.55
24R94	365-0-365 200-0-200	210 90	5.0 5.0	2.0 6.0	6.3 6.3	5.0 5.0	AGF	3 x 3 3/4	5 1/2 3 3/4 x 4 1/2	16	32.75
26R18	375-0-375 325-0-325	170 130	5.0 5.0 5.0	3.0 3.0 2.0	12.6CT 6.3	5.0 2.6	AGF	3 x 3 3/4	4 3/4 3 3/4 x 4 1/2	11.5	31.10
26R87	385-0-385 235-0-235	195 105	5.0 5.0	2.0 3.0	6.3 6.3	7.65 0.6	AGF	3 x 3 3/4	4 3/4 3 3/4 x 4 1/2	11.1	29.50
26R27U	390-0-390 325-0-325	160 130	5.0 5.0 5.0	3.0 3.0 3.0	6.3 6.3	8.0 4.0	GGV	3 x 3 3/4	4 3/8 3 3/8 x 4 3/8	11.25	30.00
26R19	400-0-400 212-0-212	220 90	5.0 5.0	3.0 2.0	6.3 6.3	10.0 2.6	AGF	3 x 3 3/4	4 3/4 3 3/4 x 4 1/2	11.7	30.00
26R00	420-0-420 360-0-360 300-0-300	295	5.0 5.0	6.0 3.0	6.3 6.3 6.3	3.0 3.0 3.0	AGF	3 x 3 3/4	5 3 3/4 x 4 1/2	11	30.55
26R30U	450-0-450 325-0-325	240 200	5.0 5.0	3.0 3.0	6.3 6.3 6.3	6.0 6.0 2.6	GGV	3 3/8 x 3 3/8	6 4 3/8 x 5 3/8	16	44.50

†Meet RETMA stds.; pri. 117 v., 50/60 cps. *Top mounted tube socket. †Dble mounted tube socket. ‡AGF have univ. mtg. brackets.



Thordarson Geophysicals



INPUT TRANSFORMERS

All below have humbucking coil and core construction.

Thord. No.	Note	Mtg. Type	Impedance, Ohms		DC Ohms†		List Price
			Primary	Secondary	Pri.	Sec.	
1	a	3	200# 125*-67 1/2# 500#333-233 50*-17*	157000# CT	50	10400	\$29.40
2‡	a	5	500#333-233 200# 125*-67 1/2# 50*-17*	157000# or 39250*	50	10400	36.00
3	b	3	60#44-30#25 15*-7 1/2#-5† 1.25	157000# CT	9	10400	29.40
4‡	b	5	60#44-30#25 15*-7 1/2#-5† 1.25	157000# or 39250*	9	10400	36.00
5	c	4	1000#-666-466 400#-250*-135# 100*-34	137000# or 34250*	225	15500	31.70
6	d	4	500#333-233 200# 125*-67 1/2# 50*-17*	315000# or 78750*	58	16200	31.70
7‡	d	6	500#333-233 200# 125*-67 1/2# 50*-17*	315000# or 78750*	58	16200	40.50
8	e	4	500#333-233 200# 125*-67 1/2# 50*-17*	712000# or 178000*	72	20000	31.70
9‡	e	6	500#333-233 200# 125*-67 1/2# 50*-17*	712000# or 178000*	72	20000	40.50
10	f	3	500# or 125*	50000# CT	150	20000	31.70
11	g	3	500#333-233 200# 125*-67 1/2# 50*-17*	450000# CT	54	12500	29.40
12‡	h	6	500# CT	200000# CT	80	9800	46.50
13‡	f	4	500# or 125*	50000# CT	200	36000	32.80
14‡	j	4	200# or 50*	442000# CT	17	26000	33.95

MINIATURE AND SUBMINIATURE

15	k	2	500#-333-233 200# 125*-67 1/2# 50*-17*	145000# CT	100	10000	\$29.20
16	k	2	500*-125*	145000# CT	100	10000	29.20
17	m	1	500*-125*	145000# CT	106	5880	28.90
18	n	1	500*-125*	60000# CT	140	5600	28.90
19	p	1	500*-125*	38000# CT	320	5300	28.90
20	q	1	500*-125*	114000# CT	210	6200	28.90
21	r	2	500*-125*	157000# CT	100	9500	29.20

†Resistance. ‡Balanced, two windings. *Balanced, parallel windings. †Five interleaved cases. ‡Three interleaved cases. NOTES: (Indicate Primary Inductance and Turns Ratio): a. 8.7 h., 1:17.7; b. 0.9 h., 1:5.1; c. 55 h., 1:11.75; d. 11.5 h., 1:25; e. 8 h., 1:37.7; f. 10 h., 1:10; g. 6.8 h., 1:30; h. 12 h., 1:20; j. 4 h., 1:47; k. 8.8 h., 1:17; m. 3 h., 1:17; n. 7 h., 1:11; p. 10.5 h., 1:8.5; q. 5.2 h., 1:15.1; r. 8 h., 1:17.7.

INTERSTATE TRANSFORMERS

All units have humbucking core and coil construction. Primary Impedance: 10,000# or 2,500# ohms.

Thord. No.	Note	Mtg. Type	Secondary Impedance, Ohms	DC Ohms†		List Price
				Pri.	Sec.	
GEO-22	a	3	100,000# or 25,000*	1540	10,000	\$29.40
GEO-23‡	a	5	100,000# or 25,000*	1540	10,000	36.10
GEO-24	b	4	9,000# or 25,000*	2100	14,000	31.70
GEO-25‡	b	7	9,000# or 25,000*	2100	14,000	40.50
GEO-26	c	4	483,000# or 120,700*	1100	17,000	31.70

MINIATURE AND SUBMINIATURE

GEO-27‡	d	2	22,500# or 5,625*	1600	2,350	\$23.90
GEO-28‡	c	2	250# or 62 1/2*	165	40	24.20
GEO-29	f	2	75,000# or 18,750*	2500	8,500	29.20
GEO-30	g	1	75,000# CT	1700	5,400	27.80
GEO-31	h	1	22,500# CT	2600	3,900	27.80
GEO-32	j	2	90,000# CT	2600	9,500	29.20
GEO-33	k	2	22,500# CT	2000	3,650	31.10

†Resistance. ‡Balanced, two windings. *Balanced, parallel windings. †Five interleaved cases. ‡Single coil. NOTES: (Indicate Primary Inductance and Turns Ratio): a. 350 h., 1:3.16; b. 725 h., 1:3; c. 230 h., 1:7; d. 135 h., 1:1.5; e. 18 h., 2:1; f. 360 h., 1:2.75; g. 80 h., 1:2.72; h. 160 h., 1:1.5; j. 285 h., 1:3; k. 375 h., 1:1.5.

AVC OUTPUT TRANSFORMERS

For automatic volume control circuits. All units have humbucking core and coil construction.

Thord. No.	Note	Mtg. Type	Impedance, Ohms		DC Ohms†		List Price
			Primary	Secondary	Pri.	Sec.	
GEO-49	a	4	16,000# or 256,000# or 4,000*	64,000# or 150# or 37 1/2*	1900	16000	\$31.70
GEO-50	b	3	15,000#	240,000# CT & 140# or 35*	2100	12000	31.70

†Resistance. ‡Balanced, two windings. *Balanced, parallel windings. NOTES: (Indicate Primary Inductance and Turns Ratio): a. 500 h., 1:4 & 10.3:1; b. 300 h., 1:4 & 10.2:1.

MINIATURE AVC OUTPUT

For automatic volume control circuits. All units have humbucking core and coil construction.

Thord. No.	Note	Case	Impedance, Ohms		DC Ohms†		List Price
			Primary	Secondary	Pri.	Sec.	
GEO-51	a	2	10,000# or 2,500*	10,000# CT & 140# or 35*	700	1220	\$32.50
GEO-52	b	2	15,000#	240,000# CT & 140# or 35*	2000	9800	30.60
GEO-53	c	2	15,000#	240,000# CT & 140# or 35*	2000	9800	30.60
GEO-54	d	2	20,000#	240,000# CT & 24# CT	2400	10000	30.60
GEO-55	e	2	15,000#	240,000# CT & 35*	2400	11000	30.60

†Resistance. ‡Balanced, two windings. *Balanced, parallel windings. NOTES: (Indicate Primary Inductance and Turns Ratio): a. 150 h., 1:1.1; b. 200 h., 1:4 & 10.3:1; c. 200 h., 1:4 & 20.6:1; d. 230 h., 1:3.46 & 28.8:1; e. 230 h., 1:4 & 20.6:1.

OUTPUT TRANSFORMERS

All units have humbucking core and coil construction.

Thord. No.	Note	Mtg. Type	Impedance, Ohms		DC Ohms†		List Price
			Primary	Secondary	Pri.	Sec.	
GEO-34	a	3	15,000# or 3,750*	500#-125*	2600	80	\$29.40
GEO-35	b	3	15,000# or 3,750*	500#-125*	2600	80	29.40
GEO-36	c	4	20,000# or 5,000*	16#-12.8#-6 1/2# 4*-2*-1 1/2#-3.5*	4000	3.2	31.10
GEO-37	d	4	16,000# or 4,000*	500#-333-233 200#-125*-67 1/2 50*-17*	3500	100	31.10
GEO-38	e	4	16,000# or 4,000*	500#-333-233 200#-125*-67 1/2 50*-17# 11-L*	3500	100	31.10
GEO-39	f	4	20,000# or 5,000*	60#-45-30#-24 15# 7 1/2#-5*-1.3*	4000	12.5	31.10
GEO-40‡	g	4	600#-150*	600#-150*	36	52	39.00

MINIATURE AND SUBMINIATURE

GEO-41‡	h	2	15,000 CT	500#-333-233 200#-125*-67 1/2# 50*-17*	2500	137	\$24.90
GEO-42‡	j	2	500 or 125	500 or 125	70	70	24.40
GEO-43‡	k	2	500 or 125	16 or 4	72	3.9	24.40
GEO-44	m	2	15,000#	16#-12.8#-6 1/2# 4*-2*-1 1/2#-3.5*	5000	4	29.20
GEO-45	n	2	15,000#	60#-45-30#-24 15# 7 1/2#-5*-1.3*	5000	18	29.20
GEO-46	p	1	15,000#	16# or 4*	3800	7	27.80
GEO-47	q	1	15,000#	45# or 11*	3800	11	27.80
GEO-48	r	2	20,000# or 5,000*	50#-25-12.5-3	4000	20	29.20

†Resistance. ‡Balanced, two windings. *Balanced, parallel windings. †Single coil. ‡Five interleaved cases. NOTES: (Indicate Primary Inductance and Turns Ratio): a. 915 h., 5.5:1; b. 65 h., 5.5:1; c. 1750 h., 35.5:1; d. 1600 h., 5.65:1; e. 94 h., 5.65:1; f. 1750 h., 18.25:1; g. 15 h., @ 1 v., 1:1 or 2:1; h. 280 h., 6:1; j. 3 h., 1:1; k. 3 h., 5.6:1; m. 1000 h., 20:1; n. 1000 h., 15.8:1; p. 400 h., 30.6:1; 400 h., 18.25:1; r. 1450 h., 20:1.

REACTORS

All units have humbucking core and coil construction.

Thord. No.	Mtg. Type	Inductance, Henries	DC Ohms†	Low Taps	List Price
GEO-56	3	1050#-800# 550#-400# 280#	13,000	None	\$35.60
GEO-57	4	1000# 250*	10,000	4-2 1/2% 2-5%	31.70
GEO-58	4	500# 125*	6,000	4-3% 2-6%	31.70
GEO-59	3	50# to 53	750	††	32.80

MINIATURE

GEO-60	2A	1050#-800#-550# 400#-280#-245# 153#-133#-80# 68#-45#	11,500	None	\$37.30
GEO-61	2A	1000#-250*	13,000	4-2%	30.00
GEO-62	2A	500#-125*	10,500	4-2 1/2%	30.00
GEO-63‡	2	1090-770-555 385-275	12,000	None	26.70

SUBMINIATURE

GEO-64	1	1000	12,000	2-2%	\$30.60
GEO-65	1	500	12,000	2-2%	30.60
GEO-66	1	300	5,400	2-2%	30.00
GEO-67	1	100	1,950	2-2%	30.00

†Resistance. ‡Single coil. †Balanced, two windings. *Balanced, parallel windings. ††Six 1/2 h. taps from one end.

GEOGRAPHICAL CASE SIZES (INCHES)

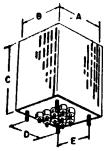
Mtg. Type	Ht.	W. x D.	Mtg. Cntrs.	Mtg. Type	Ht.	W. x D.	Mtg. Cntrs.
1	1 1/8	1 1/4 x 1 1/4	...	4	2 3/8	1 1/2 x 1 1/2	1 x 1 1/4
2*	1 1/4	1 1/4 x 1 1/4	...	5	2 1/2	1 1/2 x 1 1/4	1 x 1
2A*	1 1/8	1 1/8 x 1 1/8	1	6	2 3/8	2 x 2	1 1/4 x 1 1/4
3	2 1/4	1 1/4 x 1 1/4	1 1/4				

*4-40 studs; all others 6-32 studs.



MIL-T-27A Transformers

MIL-T-27A "STEEL JACKET" LINE



"Steel Jacket" hermetically-sealed transformers that meet all the requirements of Grade 1 and Grade 4 MIL-T-27A specifications for Class R operation (some units are listed for Class R operation and are so indicated). Designed to provide maximum protection against climate, they meet all military requirements for communications and control equipment—airborne, shipborne, mobile or ground installed, guided missiles and any installation requiring hermetic sealing.

Moisture Resistance: In temperatures from +65° C to -10° C at 90-95% relative humidity for ten 24 hour cycles.

Overload: Operated at predetermined overload for 48 hours at rated ambient temperature. **Temperature and Immersion:** Cycled for five complete cycles of five steps each in temperatures from +85° C to -55° C; salt water immersion test included. **Insulation Resistance:** In excess of 1000 megohms at intervals throughout hot and cold cycles. **Vibration:** Subjected to "shake table" tests for 10 periods of 15 minutes each. **Pull Test:** On all terminals from all directions of five pounds for 30-second periods. **Corona Discharge:** Tested as required. **Windings:** Each winding tested at twice rated AC voltage and frequency. **Class R:** Operated in 65° C ambient temperature with rise not exceeding 40° C. **Class S:** Operated in 85° C ambient temperature with rise not exceeding 40° C.

MILITARY STANDARD TRANSFORMERS INPUT, INTERSTAGE, OUTPUT (AJ CASE)

300-10,000 cps. Maximum altitude, 50,000 feet.

Part Number		Impedances, Ohms		DC†	Power†	List
Thord.	MIL-T-27A	Primary	Secondary	Amps.	Level	Price
27A02†	MS-90002	600 CT #	13500 CT	.....	15 dbm	\$39.50
27A03†	MS-90003	600 CT #	600 CT #	.....	15 dbm	39.50
27A01†	MS-90000	10000 CT	22500 CT	.010	15 dbm	39.50
27S01†	MS-90001	600 CT #	4/8/16	.....	2 watts	40.25
27S02†	MS-90004	4800/7600	600 CT #	.040	2 watts	39.50
27S03†	MS-90005	4800/7600	4/8/16	.040	2 watts	39.50
27S04†	MS-90006	15000 CT	600 CT #	.010	2 watts	39.50
27S05†	MS-90007	24000 CT	600 CT #	.020	1 watt	38.90
27S06†	MS-90008	60000 CT	600 CT #	.020	5 watts	38.90

††Max. in Primary. *Maximum. †Input. *Interstage. ‡Output. ‡Split CT—balanced winding.

FILAMENT TRANSFORMERS

Primary, 105/115/125 volts. Frequency, 54-66 cps.

Part Number		Mtg.	Secondary		Insulation	Wt.	List
Thord.	MIL-T-27A		Volts	Amps.	V. RMS	Lbs.	Price
27F36	MS-90016	EB	2.5	3.0	2500	1 1/2	\$16.90
27F37	MS-90017	GB	5.0	10.0	2500	2 1/2	23.50
27F38	MS-90018	FB	5.0	3.0	2500	1 1/2	18.50
27F39	MS-90019	HB	5.0	10.0	2500	4	25.50
27F40	MS-90020	FB	6.3	2.0	2500	1 1/2	18.50
27F41	MS-90021	GB	6.3	5.0	2500	2 1/2	21.50
27F42	MS-90022	JB	6.3	10.0	2500	5	29.50
27F43	MS-90023	KB	6.3	20.0	2500	8	36.50
27F44	MS-90024	JB	2.5	10.0	10000	4 3/4	27.50
27F45	MS-90025	KB	5.0	10.0	10000	7	35.00

POWER TRANSFORMERS— REACTOR INPUT SYSTEMS

Primary, 105/115/125 volts. Frequency, 54-66 cps.

Part Number	Mtg.	Hi-Voltage	Sec.	Out	Notes	List
Thord.	MIL-T-27A	VAC	Ma. DC	VDC		Price
27R86	MS-90026	HA 200-100-0-100-200	70	385	1, 4	\$34.50
27R87	MS-90027	JB 325-0-325	70	260	1, 5	29.50
27R88	MS-90028	KB 325-0-325	150	245	2, 6	36.50
27R89	MS-90029	LB 400-0-400	175	318	3, 7	42.50
27R90	MS-90030	MB 450-0-450	250	345	3, 7	47.50
27R91	MS-90031	NB 500-0-500	250	419	.....	36.50
27R92	MS-90032	LB 550-0-550	250	419	.....	36.50
27R93	MS-90036	NB 800-0-800	250	640	.....	49.50

NOTES: Rectifier Filament: 1. 6.3/3.5 v., 2 a.; 2. 6.3 v., 5 a.; 3. 5 v., 3 a. Filament #2: 4. 6.3 v., 3 a.; 5. 6.3 v., 4 a.; 6. 5 v., 3 a.; 7. 6.3 v., 8 a.

FULL FREQUENCY AUDIO TRANSFORMERS

Frequency Response: 30-15,000 cps, $\pm 1/2$ db. B terminals.

Thord.	Mtg.	Impedances, Ohms	DBM*	Notes	List
No.	Primary	Secondary			Price
27A04	FA 600/150 CT	600/150 CT	+15	1, 2, 11	\$39.50
27A05	FA 600/150 CT	600/150 CT	+15	1, 3	39.50
27A06	FA 20,000 CT	50,000 CT	+15	1, 4, 11	40.50
27A07	FA 50/150/250/600	50,000 CT	+15	1, 5, 12	39.50
27A08	FA 10,000	50,000 CT	+15	1, 6, 12	37.50
27S07	GA 15,000†	600/160 CT	+15	7, 8, 12, 13	26.80
27S08	HA 20,000 CT	600/150 CT	+30	7, 9, 11, 14	39.20
27S09	HA 7,500 CT	600/150 CT	+25	7, 9, 12, 15	37.10
27S10	JA 10,000 CT	600/16/8 CT & 150/4	+37	7, 10, 11	49.50
27S11	JA 5000/3000 CT	600/16/8 CT & 150/4	+42	7, 10, 11, 17	45.40

NOTES: 1. Input Transformer: -70 db hum reduction. 2. Line to single or p-p grids. 3. Line to line. 4. Interstage: p-p plate to single or p-p grid. 5. Low-Z mike, pickup or multiple line to grid. 6. Single plate to p-p grids. 7. Output Transformer. 8. Single plate to line. 9. P-p plates to line. 10. P-p plates to line or voice coil. 11. Primary and secondary have split and balanced windings. 12. Secondary has split and balanced windings. **Output Tubes:** 13. 6C4, 14. 6C5, 15. 6V6, 16. 6L6, 17. 6B4G. *Operating Level (0 dbm reference level = 1 mw). †0-10 Ma. DC. ‡Tertiary winding for 15% inverse feedback.

P.A. AUDIO TRANSFORMERS

For use in military communication and test equipment. Frequency Response: 50-10,000 cps, $\pm 1/2$ db. B terminals.

OUTPUT TRANSFORMERS

Secondary Impedances: 600/150/16/8/4 ohms; split and balanced windings.

Thord.	Mtg.	Primary	Pri.	Power	Class	Wt.	List
No.	Type	Ohms	Ma. DC	Watts		Lbs.	Price
27S12	JA	5,000 CT	120	20	A1, AB	6 1/2	\$30.95
27S13	JA	10,000 CT	200	15	AB, AB1	5	27.85
27S14	MA	6,000 CT	250	30	B, AB2	9	34.60

DRIVER TRANSFORMERS

Thord.	Mtg.	Primary	Pri.	Turns	Wt.	List
No.	Type	Ohms	Ma. DC	Ratio Pri. 1/2 Sec.	Lbs.	Price
27D32	GA	20,000 CT	10	3:1	2 1/2	\$15.00
27D33	GA	20,000 CT	25	3:1	2 1/2	14.40
27D34	JA	5,000/10,000 CT	100	5:1	4 1/2	24.70

COMMUNICATIONS RANGE AUDIO TRANSFORMERS

Frequency Response: 200-3,500 cps, ± 1 db. For equipment intended for unattended voice reproduction. B terminals.

Thord.	Mtg.	Impedances, Ohms	Pri.*	Ma. DC	Notes	List
No.	Type	Primary	Secondary			Price
27S15	GA	5,000	600/150/16/8/4	55	1, 5	\$17.50
27S16	GA	8,000	600/150/16/8/4	55	1, 6	19.30
27D35	HA	5,000 CT	100,000 CT#	100	3	17.00
27A10	FA	125/50	100,000 CT	80	4	24.50
27A11	FA	125/50	100,000 CT	80	4	17.50

*Maximum. †Split and balanced windings. **NOTES:** 1. Output transformer, single plate to line or voice coil, Class A: 5 watt, power level; 2 1/2 lbs. 2. Driver transformer, for p-p 2A3's, 6B4G's, etc., to p-p grids; 3:1 ratio (pri. 1/2 sec.); 3 1/2 lbs. 3. Input transformer, low level line to single or p-p grids; 3 1/2 lbs. 4. Input transformer, low level SB or DB mike to single or p-p grids; 3 1/2 lbs. 5. Typical output tubes: single 6F6, 6V6. 6. Typical output tubes: single 6F6, 6V6, 6N6, 6K6, 7B5.

POWER TRANSFORMERS

Primary, 117 volts, 50/60 cps. B terminals.

Thord. No.	Mtg. Type	Plate Supply		Rect. V. A.	Filament #1		List Price
		Volts	Ma. DC		Volts	Amps.	
27R63†	GA	250-0-250	10	...	6.3	0.6	\$18.70
27R64†	GA	250-0-250	20	...	6.3	0.6	19.00
27R65*	HA	225-0-225	40	5	2 6.3 CT	2	21.50
27R66*	HA	270-0-270	55	5	2 6.3 CT	2	21.90
27R67*	JA	300-0-300	60	5	2 6.3 CT	3	23.80
27R68†	JA	335-0-335	70	5	2 6.3 CT	3	24.20
27R69†	JA	330-0-330	85	5	2 6.3 CT	3	26.00
27R70*	KA	345-0-345	105	5	2 6.3 CT	3.5	27.70
27R71*	KA	375-0-375	120	5	2 6.3 CT	4	29.30
27R72*	MA	370-0-370	150	5	2 6.3 CT	4	38.90
27R73*	MA	385-0-385	200	5	2 6.3 CT	4.5	41.60
27R74*y	NA	400-80-0-400	250	5	6 6.3 CT	7	45.00

80-400									
27R75#	HA	350-0-350	55	5	2	6.3 CT	2		21.60
27R76#	JA	425-0-425	70	5	2	6.3 CT	3		23.40
27R77#	JA	440-0-440	85	5	2	6.3 CT	3		25.10
27R78#	KA	450-0-450	105	5	2	6.3 CT	3.5		27.70
27R79#	KA	500-0-500	120	5	3	6.3 CT	4		29.30
27R80#x	MA	510-0-510	150	5	3	6.3 CT	4		36.30
27R81#x	MA	520-0-520	200	5	3	6.3 CT	4.5		38.20
27R82#x	MA	550-375-550	300	5	6	6.3 CT	5		52.10
0-75-370-550									
27R83#z	MA	440-0-440	165	5	3	6.3	7.5		47.60
						6.3	0.6		
						6.3	4		
27R84†	MA	450-0-450	200	5	2	6.3			42.90
27R85†	JA	180-160-140-120-0-120-160-180	150	5	3	.....	.....		31.50

*For capacitor input filters. †For choke input filters. ‡For regulated power supplies. §Bias transformer: Combination plate and filament supply. Filament #2: \$6.3 v., 1.2 amps.; *6.3 v., 1 amp.; x6.3 CT, 1 amp.; y5 v., 2 amps.; z6.3 v., 3 amps.; 6.3 v., 3 amps., and 6.3 v., 0.6 amp.

STEP-DOWN TRANSFORMER

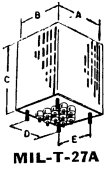
400 cps, 3-phase, Y-Y connected. Pri., 115 v./phase. Secondary, 28.5 v., 140 VA Cap. Terminal type B. Case, HA. **\$43.50**



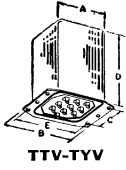
"Steel Jacket" Transformers



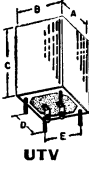
PUV



MIL-T-27A



TTV-TVV



UTV

MIL-T-27A SERIES CHOKES

Ratings matched with Power Transformers 27R63 through 27R85. B terminals.

Thord. No.	Mtg. Type	Ind. Hy.	Ma. DC	DC Ohms	Test V. RMS	Wt. Lbs.	List Price
27C11	AJ	15	10	680	1,000	1	\$ 9.70
27C12	AJ	15	20	680	1,000	1	10.30
27C13	FB	15	40	475	2,500	1 1/2	10.40
27C14	FB	10	55	230	2,500	1 3/4	10.70
27C15	FB	15	55	420	2,500	2 1/2	11.40
27C16	GB	10	85	175	2,500	2 3/4	11.40
27C17	GB	15	85	285	2,500	3 3/4	13.30
27C18	HB	8	105	100	2,500	4	13.30
27C19	HB	12	105	170	2,500	4	13.30
27C20	JB	8	150	100	2,500	5 1/2	15.30
27C21	JB	12	150	150	2,500	5 1/2	15.30
27C22	JB	8	200	85	2,500	7	18.00
27C23	JB	12	200	140	2,500	7	18.00
27C24	MB	8	250	90	2,500	10 1/2	23.50
27C25	MB	8	300	60	3,500	12 1/2	27.50

FILAMENT TRANSFORMERS

Accommodate practically all receiving and transmitting tubes now in use. Primary, 115/230 v., 50/60 cps.

Thord. No.	Mtg. Type	Secondary Volts	Amps.	Test V. RMS	Terminal	Wt. Lbs.	List Price
27F46	GA	2.5 CT	5.25	3,500	C*	2	\$15.40
27F47	GA	2.5 CT	10	5,000	C*	3	22.10
27F48	JA	2.5 CT	10	9,000	D	4	25.70
27F49	KA	2.5 CT	15	9,000	D	5 1/4	30.90
27F50	GA	5.0 CT	4	2,500	B	3 1/2	10.10
27F51	HA	5.0 CT	10	2,500	B	3 1/2	22.10
27F52	KA	5.0 CT	10	8,000	D*	6	33.00
27F53	MA	5.0 CT	20	10,000	D	13	41.20
27F54	FA	6.3 CT	1.5	2,500	B	2	13.50
27F55	GA	6.3 CT	3	2,500	B	2	15.90
27F56	HA	6.3 CT	5.5	2,500	B	3	26.25
27F57	JA	6.3 CT	150	2,500	B	5	28.25
27F58	HA	10.0 CT	4	2,500	B	3 1/4	19.00

†For high voltage rectifier supplies. *For secondary; primary has B type terminal.

400 CYCLE OPERATION

Designed to meet all MIL-T-27A Class S specifications, including case sizes and dimensions. For use in aircraft and mobile communication control equipment, etc. Primary, 105/115/125 v. 380-1,000 cps.

POWER TRANSFORMERS

Thord. No.	Mtg. Type	Plate Supply Volts	DC Ma.	Rect. Filaments Volts	Amps.	Other Filaments Volts	Amps.	List Price
27R94*	FA	270-0-270	55	2	6.3 CT	2		\$33.50
27R95*	FA	335-0-335	70	2	6.3 CT	3		34.00
27R96*	HA	375-0-375	120	2	6.3 CT	4		39.50
27R97*	JA	440-0-440	165	3	6.3	7.5		64.50
					6.3	3		
					6.3	3		
					6.3	3		
27R98*	JA	450-0-450	200	2	6.3	4		59.50
					6.3	4		
					6.3	0.6		
27R99*	KA	550-370-75-0-75-370-550	300	6	6.3 CT	5		67.50
					6.3 CT	1		

15.0 volts. Terminal Type: *A; #B.

FILAMENT TRANSFORMERS

Thord. No.	Mtg. Type	Secondary Volts	Amps.	Insul. V. RMS	Terminal	Wt. Lbs.	List Price
27F59	AJ	6.3 CT	3	2,500	B	3 1/4	\$24.50
27F60	EA	6.3 CT	5.5	2,500	B	1	26.50
27F61	FA	6.3 CT	10	2,500	B	1 3/4	32.50
27F62	GA	6.3 CT	20	2,500	B & C	2 1/2	32.50

CHOKES

Thord. No.	Mtg. Type	Inductance Hy.	Ma. DC	DC Ohms	Test V. RMS	Terminal	Wt. Lbs.	List Price
27C26	AH	2.0	55	160	2,500	B	1 1/2	\$11.00
27C27	AH	2.0	70	165	2,500	B	1 3/2	11.50
27C28	EB	2.0	120	100	2,500	B	1	13.50
27C29	FB	2.0	165	90	2,500	B	1 1/2	13.00
27C30	FB	2.0	200	73	2,500	B	1 1/2	14.25
27C31	HB	2.0	300	47	2,500	B	3 1/4	17.50

TERMINAL DIMENSIONS

	A	B	C	D
Overall Height	1 1/2"	7/8"	27/32"	1 1/2"
Overall Diameter	1 1/2"	1 1/8"	1 1/2"	1 1/2"

COMMUNICATION AND INDUSTRIAL FULL FREQUENCY TRANSFORMERS

Frequency Response: 30-15,000 cps. ±1 db. Distortion, negligible. Primarily for use by broadcast stations. Drivers and modulation transformers are matched to chokes.

DRIVER TRANSFORMERS

Thord. No.	Mtg. Type	Recommended Use	†Pri. Ratio	List Price
25D53	UTV-7	In 250-watt transmitter	From Two 2A3's, 6B4's or similar p-p pl. to Class B 838's, 805's, 203A's	3.5:1 \$34.50
25D54	TTV-9*	In 1 kw transmitter	From Four 2A3's, 6B4's or similar p-p pl. to two 833A's or similar p-p grids	3:1 42.50

*TTV, but with terminal lugs on top. †Pri.: 1/2 Section.

MODULATION TRANSFORMERS

Thord. No.	Mtg. Type	Imped. (Pri. pl.-pl.)	Recommended Use	List Price
25M78	TSV-10	Pri.: 7,500 CT Sec.: 5,000	In 250 w. Driver xfrmr 25D53*	\$ 62.50
25M79	PUV	Pri.: 11,000 CT Sec.: 5,500	In 500 w. Class C Amplifier #	190.00
25M80	PUH	Pri.: 9,000 CT Sec.: 7,500	In 1 kw Driver xfrmr 25D54#	350.00

Mod. Tubes: *203-A, 838, 805, etc. #833-A, etc.

MODULATION CHOKES

Thord. No.	Mtg. Type	Inductance Hy.	Ma. DC	Recommended Use	List Price
25C40	TSV	65	250	In 250 w. xmr No. 25M78	\$ 95.50
25C41	PUV	50	400	In 500 w. xmr No. 25M79	125.00
25C42	PUH	100	500	In 1 kw xmr No. 25M80	225.00

PLATE TRANSFORMERS

For induction heating, electronic control equipment, commercial and amateur transmission, etc. Pri., 115/230 v., 50/60 cps.

Thord. No.	Mtg. Type	Pri. Volts	Secondary AC Load Volts	VDC	Ma. DC	CCS ICAS	List Price
25P82	TTV-S	185	675-575-0-575-675	500	250	325	\$ 25.50
25P83	TTV-S	250	900-735-0-735-900	750	250	325	28.00
25P84	PUH-1	310	1150-870-0-870-1150	1000	250	350	79.50
25P85	TTV-9	360	1425-0-1425	1250	150	200	42.50
			600-0-600	400	200	260	
25P86	PUH-4	550	1710-1430-0-1430-1710	1500	300	425	89.50
25P87	PUH-5	915	2820-2260-0-2260-2820	2500	300	425	127.50
25P88	PUV	1600	2900-2320-0-2320-2900	2600	500	700	152.50
25P89	PUH-6	1850	3450-2850-0-2850-3450	3000	500	700	229.00
25P90	PUH-S	3050	4600-4060-0-4060-4600	4000	600	800	298.00

†DC volts after filter. #40° to 50° C temperature rise under full load, CCS duty. Duty cycle 15 minutes on, 15 minutes off, with the 40° to 50° C temperature rise under ICAS conditions.

CHOKES

Designed to match the plate transformers listed above.

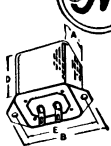
Thord. No.	Mtg. Type	Inductance Hy.	Ma. DC	Resist. Ohms	Test V. RMS	Wt. Lbs.	List Price
25C44	PUH-2	6	700	35	10,000	35	\$67.50
25C45	PUH-3	10	500	40	9,000	35	86.50
25C46	PUH-1	6	500	35	9,000	35	54.50
25C47	TYV-10	10	300	40	7,500	22	32.50
25C48	TYV-9	6	300	35	7,500	16 1/2	27.50

MIL-T-27A CASE DIMENSIONS (INCHES)

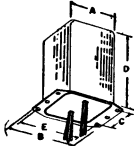
Type	-A-	-B-	-C-	D. x E.	Stud Size
AF	3 1/4	3 1/4	1 1/8	3 1/8	4-40 x 3/8
AG	1	1 1/8	1 3/8	1 3/8	4-40 x 3/8
AJ	1 1/8	1 1/8	1 3/8	1 3/8	6-32 x 3/8
EA	1 1/8	1 1/8	2 3/4	1 3/8 x 1 1/4	6-32 x 3/8
EB	1 1/8	1 1/8	2 1/8	1 3/8 x 1 1/4	6-32 x 3/8
FA	2 1/8	2 1/8	3 1/8	1 1/8 x 1 1/8	6-32 x 3/8
FB	2 1/8	2 1/8	2 1/8	1 1/8 x 1 1/8	6-32 x 3/8
GA	2 1/8	2 1/8	2 1/8	2 1/8 x 1 1/4	6-32 x 3/8
GB	2 1/8	2 1/8	2 1/8	2 1/8 x 1 1/4	6-32 x 3/8
HA	3 1/8	2 1/8	4 1/4	2 1/8 x 1 1/8	8-32 x 3/8
HB	3 1/8	2 1/8	3 1/8	2 1/8 x 1 1/8	8-32 x 3/8
JA	3 1/8	3 1/8	4 3/8	2 1/8 x 2 1/8	8-32 x 3/8
JB	3 1/8	3 1/8	3 3/8	2 1/8 x 2 1/8	8-32 x 3/8
KA	3 1/8	3 1/8	4 3/8	3 1/8 x 2 1/8	10-32 x 1/2
KB	3 1/8	3 1/8	4 3/8	3 1/8 x 2 1/8	10-32 x 1/2
LA	4 1/8	3 1/8	5 1/8	3 1/8 x 2 1/8	10-32 x 1/2
LB	4 1/8	3 1/8	4 1/8	3 1/8 x 2 1/8	10-32 x 1/2
MA	4 1/8	4 1/8	6	3 1/8 x 3	14-20 x 3/8
NA	5 1/8	4 1/8	6 1/8	4 1/8 x 3 1/8	14-20 x 3/8
NB	5 1/8	4 1/8	6 1/8	4 1/8 x 3 1/8	14-20 x 3/8
OA	5 1/8	4 1/8	6 3/8	3 3/8 x 3	14-20 x 3/8



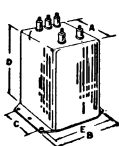
"Steel Jacket" Transformers



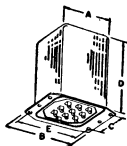
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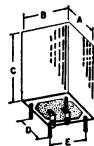
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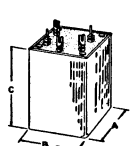
TSV



TTV



UTV



UTV-5

FULL FREQUENCY RANGE AUDIO TRANSFORMERS

INPUT (MTG. TYPE UTV-3)

Frequency Response: 20-20,000 cps, $\pm 1/2$ db. Hum-bucking coil and core construction neutralize stray magnetic fields; internal cases and special alloy shielding eliminates hum pickup.

Thord. No.	Application	Impedances, Ohms	Oper. Level†	List Price
25A01**	Line to sgl. or p-p grids	*Pri.: 600/150 CT *Sec.: 50,000 CT	+15 dbm	\$28.75
25A02#	Line to sgl. or p-p grids	*Pri.: 600/150 CT *Sec.: 50,000 CT	+15 dbm	36.75
25A03**	Line bridging to p-p grids	*Pri.: 8000/6000 CT *Sec.: 60,000 CT	+15 dbm	29.95
25A04**	Line to line	*Pri.: 600/150 CT *Sec.: 600/150 CT	+15 dbm	29.50
25A05#	Line to line	*Pri.: 600/150 CT *Sec.: 600/150 CT	+30 dbm	39.15
25A06**	Intstg—p-p pl. to sgl. or p-p gr.	*Pri.: 20,000 CT *Sec.: 50,000 CT	+15 dbm	28.75
25A07**	Low-Z mike pickup or multiple line to grid	*Pri.: 50/150/ 250/600 *Sec.: 50,000 CT	+15 dbm	29.95

†0 dbm. Reference level, 1 mw. *Split and balanced windings. Hum Reduction: **—70 db; #—90 db. †MtG. Type UTV-6.

OUTPUT

Average frequency response, 30-20,000 cps, $\pm 1/2$ db. Impedance ratings match RETMA recommendations for hi-fi speakers.

Thord. No.	Application	Impedances, Ohms	Oper. Level†	List Price
25S23†	Sgl. pl. to line	*Pri.: 15,000 *Sec.: 600/150 CT	+15 dbm (22 mw)	\$16.95
25S24#	P-p pl. to line	*Pri.: 20,000 CT *Sec.: 600/150 CT	+30 dbm (1 watt)	22.50
25S25†	P-p pl. to line or Voice Coil	*Pri.: 10,000 CT *Sec.: 600/16/8 CT and 150/4	+37 dbm (5 watts)	27.20
25S26**	P-p pl. to Voice Coil	*Pri.: 7,500 CT *Sec.: 8/20	+43 dbm (20 w.)	29.25
25S27**	P-p pl. to line or Voice Coil	*Pri.: 5000/3000 CT *Sec.: 600/16/8 CT and 150/4	+42 dbm (15 watts)	28.75
25S28#	P-p low level pl. to line	*Pri.: 20,000 CT *Sec.: 600/150 CT	+15 dbm (22 mw)	27.50
25S29*	P-p pl. to line or Voice Coil	*Pri.: 3000/2500 CT *Sec.: 600/16/8 CT and 150/4	+46 dbm (40 watts)	41.45
25S30*	P-p pl. to line or Voice Coil	*Pri.: 10,000 CT *Sec.: 600/16/8	+40 dbm (10 watts)	29.75
25S31**	P-p pl. to Voice Coil	*Pri.: 10,000 *Sec.: 4/8/16	+43 dbm (20 watts)	29.75

†0 dbm. Reference level, 1 mw. †0-10 ma DC. *Split and balanced windings. #Has screen grid taps for extended power. MtG. Types: ††UTV-4; #UTV-5; ††UTV-6; **UTV-7; #UTV-3; *UTV-8.

INPUT, INTERSTAGE, MIXING (MTG. UTV)

Frequency Response: 20-20,000 cps, ± 1 db. Primary Impedance: 50, 125/150, 200, 250, 333, 500/600 ohms. Dimensions: No. 25A14, 3 1/4" x 3 3/8" x 4 1/2" h.; mtg. dimensions, 3" x 2 1/4". All others: 3 1/4" x 2 3/8" x 3 3/8" h.; mtg. dimensions, 2 1/4" x 1 1/4".

Thord. No.	Application	Sec. Ohms	†Max. Level	Hum†	List Price
25A08#	Low-Z mike, pickup or line to grid	60,000*	15 dbm	-74 db	\$32.50
25A09#	Low-Z mike or line to grid	50,000*	14 dbm	-92 db	49.50
25A10#	Low-Z mike, pickup or line to p-p grid	120,000*	15 dbm	-74 db	39.50
25A11#	Low-Z mike, pickup or line to p-p grid	80,000*	14 dbm	-92 db	52.50
25A12*	Sgl. pl. to p-p grids	95,000*	17 dbm	-50 db	31.20
25A13#	Sgl. pl. to p-p grids	135,000*	14 dbm	-74 db	39.50
25A14†	P-p pl. to p-p grids	80,000*	26 dbm	-50 db	57.50
25A15##	Low-Z mixer, pickup, or line to line	50, 125/ 150, 200, 250, 333, 500/600	17 dbm	-74 db	39.50

†0 dbm reference level, 1 mw. †Hum-pickup reduction (compared with unceased unit). *Overall split winding. †Input transformer. #Interstage transformer: pri., 15,000 ohms (split winding); 3:1 ratio; use shunt plate feed. †Interstage: pri., 30,000 ohms plate to plate (split winding); 1.6:1 ratio. #Mixing transformer: pri., 50, 125/150, 200, 250, 333, 500/600 ohms.

INPUT, INTERSTAGE, OUTPUT, MIXING (MTG. TYPE UTV-5)

Frequency Response: 30-20,000 cps, ± 2 db—except Nos. 25A17 and 25S34: 50-20,000 cps, ± 2 db. Steel encased with phenolic terminal board and tapped corner inserts. Size: 1 1/2" x 1 1/2" x 2" h.

Thord. No.	Primary Impedances, Ohms	Secondary Impedances, Ohms	Notes	List Price
25A16	50, 125/150, 200, 250, 333, 500/600	50,000	1, 2	\$19.50
25A17	50, 200, 500	50,000	1, 2	20.80
25A18	50, 125/150, 200, 250, 333, 500/600	50,000*	1, 3	19.50
25A19	30	50,000*	1, 4	17.70
25A20	15,000	60,000	5, 6, 8	16.40
25A21	15,000	80,000 overall	5, 7, 8	18.20
25S32	15,000	50, 125/150, 200, 250, 333, 500/600	8, 9, 10	19.50
25S33	30,000 pl. to pl.	50, 125/150, 200, 250, 333, 500/600	8, 9, 11	19.50
25S34	15,000	50, 125/150, 200, 250, 333, 500/600	8, 9, 12	18.20
25A22	50, 125/150, 200, 250, 333, 500/600	50, 125/150, 200, 250, 333, 500/600	13	19.50

*Overall split winding.

Notes: 1. Input transformer. 2. Low-Z mike, pickup or line to grid. 3. Low-Z mike, pickup or line to sgl. or p-p grids. 4. Dynamic mike to 1 or 2 grids. 5. Interstage transformer. 6. Sgl. pl. to sgl. grid. 2:1 ratio. 7. Sgl. pl. to 2 grids (can use split pri. for p-p pl.). 2:3:1 ratio. 8. Use shunt plate feed to keep DC out of pri. winding. 9. Low level output transformer. 10. Sgl. pl. to line. 11. P-p low level pl. to line. 12. Sgl. pl. to multiple line. 13. Mixing transformer; low-Z mixer, mike, pickup or line to line.

HIGH Q CHOKES (MTG. TAV-1)

For use in Dynamic Noise Suppressor circuits; also in any tuned circuit requiring the given inductances. Minimum Q: 20. Rated inductances accurate $\pm 5\%$, with up to 15 ma. DC.

Thordarson No. 25C38—0.8 henries. 1/2 lb. List Price. **\$12.50**

Thordarson No. 25C39—2.4 henries. 1/2 lb. List Price. **12.50**

FILAMENT TRANSFORMERS

Primary, 115-230 v., 50/60 cps. For heating a variety of popular receiving and transmitting tubes. Solder-lug terminals on secondaries rated under 6 amps; screw-type terminals where secondaries are rated over 6 amps.

Thord. No.	Mtg. Type	Volts	Amps.	Test V. RMS	Wt., Lbs.	List Price
25F56	TTV-4	2.5 CT	5.25	3,500	2	\$10.55
25F57*	TTV-5	2.5 CT	10	5,000	3	16.25
25F58*	TTV-6	2.5 CT	10	9,000	4	19.75
25F59*	TTV-7	2.5 CT	15	9,000	6	21.25
25F60	TTV-4	5.0 CT	4	2,500	2 1/2	10.85
25F61	TTV-5	5.0 CT	10	2,500	3 1/2	18.50
25F62*	TTV-7	5.0 CT	10	10,000	6	22.50
25F63	TTV-7	5.0 CT	20	2,500	6 1/2	24.50
25F64*	TTV-8	5.0 CT	20	10,000	13	28.25
25F65	TTV-8	5.0 CT	30	2,500	10 1/2	28.25
25F66	TSV-8	5.0 CT	30	2,500	10 1/2	34.50
25F67	TTV-3	6.3 CT	1.5	2,500	2	8.75
25F68	TTV-4	6.3 CT	3	2,500	2	10.50
25F69	TTV-5	6.3 CT	5.5	2,500	3	12.75
25F70	TTV-6	6.3 CT	10	2,500	5	17.50
25F71	TTV-5	7.5 CT	5	2,500	3 1/2	10.50
25F72	TTV-7	7.5 CT	12	2,500	6	14.00
25F73	TTV-5	10 CT	4	2,500	3 1/2	14.00
25F74	TTV-6	10 CT	6.5	2,500	5	19.50
25F75	TTV-7	10 CT	10	2,500	6 1/2	24.50

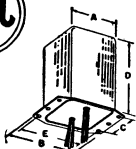
*For use with high voltage rectifier supply; secondary terminals insulated with ceramic bushings.

STEEL CASE SIZE, INCHES

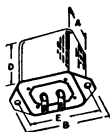
Mtg.	A	B	C	D	E	Mtg.	A	B	C	D	E
TAV-1	1 1/2	2 3/8	1 1/2	2 3/8	2 3/8	TTV-9	4 1/2	5 1/2	3 1/2	6 1/2	5 1/2
TAV-3	2 1/4	2 1/4	1 1/2	2 3/8	2 3/8	TSV-8	4 1/2	5 1/2	2 1/2	5 1/2	4 3/4
TTV-3	2 1/4	2 1/4	1 1/2	2 3/8	2 3/8	TTV-10	6 1/2	6 1/2	4 1/4	7 1/4	6
TAV-4	2 1/2	3	1 3/4	3 3/4	2 1/2	UTV-3	2 1/2	2 1/2	3 1/4	1 1/4	1 3/4
TTV-4	2 1/2	3	1 3/4	3 3/4	2 1/2	UTV-4	2 1/2	2 1/2	3 1/4	1 1/4	1 3/4
TAV-5	2 3/4	3 1/2	2	3 3/4	3 3/4	UTV-5	3 1/2	3 1/2	4 1/4	2	1 1/4
TTV-5	2 3/4	3 1/2	2	3 3/4	3 3/4	UTV-6	3 1/2	3 1/2	4 1/4	2 3/4	2 1/4
TAV-6	3 1/4	4	2 3/4	4	3 1/2	UTV-7	3 1/2	3 1/2	5 1/4	2 3/4	2 3/4
TTV-6	3 1/4	4	2 3/4	4	3 1/2	UTV-8	4 1/4	4	6	3 3/4	3 3/4
TAV-7	3 1/4	4 1/4	2 3/4	4 1/4	3 3/4	.....	.....	.....	.....	.....	.....
TTV-7	3 1/4	4 1/4	2 3/4	4 1/4	3 3/4	.....	.....	.....	.....	.....	.....
TAV-8	4 1/4	5 1/4	2 3/4	5 1/4	4 3/4	.....	.....	.....	.....	.....	.....
TTV-8	4 1/4	5 1/4	2 3/4	5 1/4	4 3/4	.....	.....	.....	.....	.....	.....



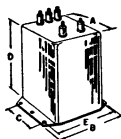
"Steel Jacket" Transformers



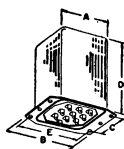
TAV



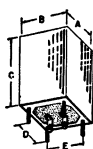
TAV-1



TSV



TTV



UTV

POWER TRANSFORMERS

Provide plate and filament supply for a number of the most popular tubes in modern circuits. Temperature rise will not exceed 50° C. Encased in steel for strength, climate resistance, electrostatic and magnetic shielding, ease of mounting, etc. Current ratings and mounting types matched to chokes below. Primary, 117 volts, 50/60 cps.

Thord. No.	Mtg. Type	Plate Supply Volts	Ma. DC	Rect. Amps.*	File #1	Wt. Lbs.	List Price
25R01	TAV-5	225-0-225	L 70	2	6.3 CT	2	\$ 8.50
25R23	TTV-5	C 40					14.75
25R02	TAV-5	270-0-270	L 95	2	6.3 CT	2	9.15
25R24	TTV-5	C 55					15.50
25R03	TAV-6	300-0-300	L105	2	6.3 CT	3	10.50
25R26	TTV-6	C 60					16.50
25R04	TAV-6	335-0-335	L120	2	6.3 CT	3	11.25
25R27	TTV-6	C 70					17.50
25R05	TAV-7	330-0-330	L145	2	6.3 CT	3	13.00
25R28	TTV-7	C 85					18.65
25R06	TAV-7	345-0-345	L180	2	6.3 CT	3.5	14.10
25R29	TTV-7	C105					19.75
25R07	TAV-8	350-0-350	L 55	2	6.3 CT	2	9.50
25R30	TTV-8	C 30					15.75
25R08	TAV-8	375-0-375	L210	3	6.3 CT	4	15.85
25R31	TTV-8	C120					20.80
25R09	TAV-8	370-0-370	L260	3	6.3 CT	4	18.15
25R32*	TTV-8	C150					27.50
25R32*	TAV-8	385-0-385	L350	3	6.3 CT	4.5	21.15
25R33*	TTV-8	C200					29.25
25R11*	TAV-9	400-80-0	L430	6	6.3 CT	7	26.00
25R34*	TTV-9	80-400	C250				36.50
25R12	TAV-6	425-0-425	L 70	2	6.3 CT	3	10.75
25R35	TTV-6	C 40					17.25
25R13	TAV-7	440-0-440	L 85	2	6.3 CT	3	12.50
25R36	TTV-7	C 50					19.00
25R14†	TTV-8	440-0-440	L285	3	6.3	7.5	39.75
			C165		6.3	0.6	
25R15†	TTV-8	450-0-450	L350	2	6.3	4	37.50
			C200		6.3	4	
25R16	TAV-7	450-0-450	L105	2	6.3 CT	3.4	13.35
25R37	TTV-7	C 60					20.00
25R17	TAV-8	500-0-500	L120	3	6.3 CT	4	14.95
25R38	TTV-8	C 70					21.25
25R18*	TAV-8	510-0-510	L150	3	6.3 CT	1	17.50
25R39*	TTV-8	C 85					29.50
25R19*	TAV-8	520-0-520	L200	3	6.3 CT	4.5	19.50
25R40*	TTV-8	C115					31.50
25R20*	TAV-9	550-370-	L300	6	6.3 CT	5	30.50
25R41*	TTV-9	75-0-75-370-550	C170				44.50

†L for choke input filter; C for capacitor input filter. *5 volts. Filament No. 2: *6.3 CT, 1 amp.; *5 v., 2 amps.; †6.3 v.-3 amps., 6.3 v.-3 amps.; †6.3 v., 0.6 amp.

CHOKES

Mounting types and current ratings match power transformers.

Thord. No.	Mtg. Type	Inductance Hy.	Ma. DC	Resis. Ohms	Test V. RMS	Wt. Lbs.	List Price
25C25	TAV-3	15	40	475	2,500	1½	\$ 4.20
25C49	TTV-3						6.00
25C26	TAV-3	10	55	230	2,500	1¾	4.90
25C50	TTV-3						6.65
25C27	TAV-3	15	55	420	2,500	2	4.25
25C51	TTV-3						7.00
25C28	TAV-4	10	85	175	2,500	2½	5.80
25C52	TTV-4						7.00
25C29	TAV-4	15	85	285	2,500	2¾	6.30
25C53	TTV-4						8.45
25C30	TAV-5	8	105	100	2,500	3¾	7.00
25C54	TTV-5						9.50
25C31	TAV-5	12	105	170	2,500	4	7.30
25C55	TTV-5						8.50
25C32	TAV-6	8	150	100	2,500	5¾	9.65
25C56	TTV-6						11.00
25C33	TAV-6	12	150	150	2,500	5½	9.75
25C57	TTV-6						11.35
25C34	TAV-7	8	200	85	2,500	7	11.35
25C58	TTV-7						13.00
25C35	TAV-7	12	200	140	2,500	7	11.50
25C59	TTV-7						13.75
25C36	TAV-8	8	250	90	2,500	10½	12.90
25C60	TTV-8						15.25
25C37	TAV-8	8	300	60	3,500	12½	15.90
25C43	TTV-8						18.75

BIAS TRANSFORMERS

Combination plate and filament supply. Primary, 50/60 cps. Rectifier Filament: 5 v., 3 amps.

Thord. No.	Mtg. Type	Pri. Volts	Plate Supply Volts	Ma. DC	Wt. Lbs.	List Price
25R21	TAV-6	115	180-160-140-120-0	150	5	\$10.75
25R42	TTV-6		120-140-160-180			24.50
25R22	TAV-6	230	180-160-140-120-0	150	5	10.50
25R43	TTV-6		120-140-160-180			25.50

P.A. AUDIO TRANSFORMERS DRIVER TRANSFORMERS

Frequency Response: 50-10,000 cps.

Thord. No.	Mtg. Type	Primary Ohms	Ma. DC	Turns Ratio†	Wt. Lbs.	List Price
25D49	TAV-4	20,000 CT	10	3:1	2½	\$ 7.00
25D55	TTV-4					11.50
25D50	TAV-4	20,000 CT	25	3:1	2¾	6.65
25D56	TTV-4					12.50
25D51	TAV-6	5,000/10,000 CT	100	5:1	4¾	11.95
25D57	TTV-6					18.75

†Pri.: ½ Sec.

OUTPUT TRANSFORMERS

Secondary: 600/150/16/8/4 ohms (has tertiary winding to provide 10% inverse feedback). Freq. Response: 50-10,000 cps.

Thord. No.	Mtg. Type	Class	Primary Ohms	Ma. DC	Power, Watts	Wt. Lbs.	List Price
25F35	TAV-7	A1	5,000 CT	120	20	6½	\$13.50
25S40	TTV-7	AB					21.25
25F36	TAV-6	AB	10,000 CT	200	15	5	12.50
25S41	TTV-6	AB1					19.00
25F37	TAV-8	B	6,000 CT	250	30	9	14.50
25S42	TTV-8	AB2*					23.25

*For low distortion, use fixed bias.

COMMUNICATIONS AUDIO TRANSFORMERS

Frequency Response: 200-3,500 cps, ±1 db. For use in aircraft, police, amateur, railroad and similar transmitting equipment. All, except No. 25M77, completely steel encased.

Thord. No.	Mtg. Type	Impedance, Ohms		Pri. Ma. DC	Notes	List Price
		Primary	Secondary			
25A23	TAV-1	800/150 CT	100,000 CT†	.....	1, 5	\$12.50
25A25	TTV-1					17.50
25A24	TAV-1	125/50	125,000 CT	80	1, 6	6.50
25A26	TTV-1					10.50
25D52	TAV-5	5,000 CT	.....	100	2, 7, 10	7.50
25D58	TTV-5					15.50
25M76	TVV-10†	9000/6700 CT	8000/6000/4000	*350	3, 8	54.50
25M77	PUH	18000/12000 CT	6250	*500	3, 9	99.50
25S38	TAV-4	5,000	600/150/16/8/4	55	4	7.00
25S43	TTV-4					12.50
25S39	TAV-4	8,000	600/150/16/8/4	55	4	7.00
25S44	TTV-4					12.50

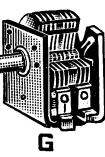
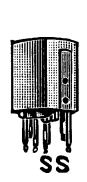
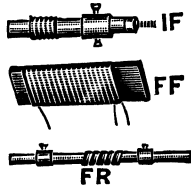
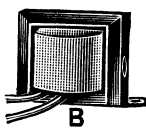
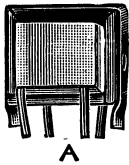
*Secondary Ma. DC same. †Split and balanced winding. ‡TTV with bushings. Notes: 1. Input. 2. Driver. 3. Modulation. 4. Output. Class A, 5 watt power level. 5. Low level line to sgl. or p-p grids. 6. Low level SB or DB mike to sgl. or p-p grids. 7. P-p 2A3's, 6B4G's, 807's to p-p grids. 8. Power level, 250-350 watts. 9. Power level, 500-700 watts. 10. Turns ratio P/½ Sec., 3:1.

STEEL CASE SIZES (INCHES)

Mtg.	A	B	C	D	E	Mtg.	A	B	C	D	E
TAV-1	1½	2¾	1¼	1¾	2	TAV-7	3½	4¾	2¾	4¾	3¾
TAV-3	2¼	2½	1½	2¾	2¾	TTV-7					
TTV-3						TAV-8	4¾	5¾	2¾	5¾	4¾
TAV-4	2½	3	1¾	3½	2½	TTV-8					
TTV-4						TAV-9	5¾	5¾	3¾	6¾	5¾
TAV-5	2¾	3½	2	3¾	3¾	TTV-9					
TTV-5						TTV-10	6¾	6¾	4¾	7¾	6
TAV-6	3¾	4	2¾	4	3¾						
TTV-6											



Transistor Components



THORDARSON MINIATURE TRANSISTOR TRANSFORMERS (FIG. D)

These new 50 milliwatt transistor transformers are only $\frac{1}{2}$ " h. x $\frac{1}{8}$ " w. x $\frac{1}{4}$ " d. and weigh only 0.1 oz. Applications: A, Input; B, Bridging; D, Driver; J, Interstage; S, Output. List Price..... \$95

Thord. No.	Turns Ratio	Impedances		Power mw	Applications
		Winding #1	Winding #2		
TR-37	1:1	500 CT	500 CT	50	B, D, J
TR-38	1.09:1	6,000	5,000 CT	50	B, D, J
TR-39	1.24:1	4,000	2,600 CT	50	D, J
TR-40	2.23:1	10,000	2,000 CT	50	D, J
TR-41	3.16:1	500	50	50	D, J
TR-42	3.16:1	20,000	2,000 CT	50	A, J
TR-43	3.53:1	125 CT	10	50	S
TR-44	4.07:1	20,000	1,200	50	A, J
TR-45	4.46:1	1,000	50	50	D, S
TR-46	4.47:1	200 CT	10	50	S
TR-47	5.46:1	300 CT	10	50	S
TR-48	5.75:1	20,000	600	50	A, J
TR-49	7.06:1	500 CT	10	50	S
TR-50	7.9:1	200 CT	3.2	50	S
TR-51	9.65:1	300 CT	3.2	50	S
TR-52	11.8:1	7,000	50	50	D, S
TR-53	12.5:1	500 CT	3.2	50	S
TR-54	14.14:1	200,000	1,000	50	A, J
TR-55	44.7:1	100,000	50	50	A
TR-56	30 h. @ 1 ma	DC 4,000 ohms	DC res.	Choke	

THORDARSON AUDIO TRANSISTOR TRANSFORMERS

Applications: A, Input; B, Bridging; D, Driver; J, Interstage; S, Output. Many may be used in more than one application—instructions supplied with each, showing various applications. Fig. A, 150 mw types with $\frac{1}{4}$ " mtg. centers. Fig. B, 300 mw types with $\frac{1}{4}$ " mtg. centers. All Nos.—List Price..... \$55

Thord. No.	Turns Ratio	Impedances		Power mw	Applications
		Winding #1	Winding #2		
TR-1	1.00:1	500 CT	500 CT	300	B, D, J
TR-2	1.23:1	5,000 CT	7,500 CT	150	D, J
TR-3	1.58:1	5,000 CT	10,000 CT	150	D, J
TR-4	1.73:1	500 CT	500 CT	150	D, J, S
TR-5	1.81:1	490 CT	150 CT	150	D, S
TR-6	1.83:1	10,000	3,000 CT	150	D, J
TR-7	2.24:1	10,000	2,000 CT	150	D, J
TR-8	2.45:1	48 CT	8 or 4	300	S
TR-9	2.45:1	5,000 CT	30,000 CT	150	A, J
TR-10	3.00:1	5,000 CT	45,000 CT	150	D, S
TR-11	3.16:1	500 CT	50	150	D, S
TR-12	3.16:1	100 CT	10 CT	150	D, S
TR-13	4.00:1	5,000 CT	80,000	150	A, J
TR-14	4.08:1	20,000	1,200	150	A, J
TR-15	4.47:1	300 CT	15	150	S
TR-16	5.00:1	400 CT	16	150	S
TR-17	5.00:1	20,000	800 CT	150	A, D, J
TR-18	5.52:1	500 CT	16.4	150	S
TR-19	6.04:1	400 CT	11	150	S
TR-20	6.22:1	650 CT	16.8	150	S
TR-21	6.33:1	160 CT	8 or 4	300	S
TR-22	7.07:1	400 CT	8 or 4	300	S
TR-23	7.07:1	10,000	200 CT	150	D, S
TR-24	8.17:1	100,000	1,500 CT	300	A, J
TR-25	8.66:1	15,000	200 CT	150	J, S
TR-26	10.1:1	50,000	500 CT	150	A, D, S
TR-27	12.5:1	500 CT	3.2	150	S
TR-28	14.1:1	200,000	1,000	300	A
TR-29	15.6:1	825 CT	3.4	150	S
TR-30	15.8:1	50,000	200 CT	150	A, S
TR-31	20.0:1	40,000	100	150	A, S
TR-32	25.1:1	9,800	15	300	A
TR-33	35.4:1	250,000	200 CT	150	A
TR-34	40.8:1	50,000	30 CT	150	A
TR-35	44.7:1	100,000	50	300	A
TR-36	50.0:1	500,000	200 CT	300	A

THORDARSON POWER TRANSISTOR OUTPUTS

Cover all power transistor applications in auto radios, auto power amplifiers, etc., mounting type not illustrated.

Thord. No.	Impedance		Pri. Ma. DC	Power Watts	Mtg. Type	Mtg. Cntrs.	List Price
	Pri.	Sec.					
TR-57*	32 CT	1.6/4	575	10	BAH	2 1/2"	\$5.65
TR-58	32 CT	3.2/8/16	575	10	BAH	2 1/2"	\$5.65
TR-59*	48 CT	1.6/4	550	10	BAV	2 1/2"	\$5.65
TR-60	48 CT	3.2/8/16	550	10	BAV	2 1/2"	\$5.65
TR-61	48 CT	3.2/8/16	550	5	BAV	1 1/2"	\$5.65
TR-62	100 CT	3.2/8/16	550	2	BAV	3/4"	\$5.65
TR-63	100 CT	3.2/8/16	500	10	BAV	2 1/2"	\$5.65

*For parallel 3.2 and 8 ohm voice coil applications; use with Sylvania 2N68, 2N95, 2N141 or CBS 2N255, 2N256, etc.

THORDARSON HI-FI TRANSISTOR TRANSFORMERS (FIG. C)

Completely encased (Mounting Type XAV) for use in wide-range, transistor hi-fi audio amplifiers. Frequency Response: 20 to 20,000 cps, ± 1 db (in properly designed circuits). Size: $1\frac{1}{4}$ " h. x $1\frac{1}{4}$ " w. x $1\frac{1}{4}$ " d. Mtg. cntrs. $1\frac{1}{4}$ ". Wt., 0.75 lb.

Thord. No.	Impedance		Primary Ma. DC	Power, Watts	List Price
	Primary	Secondary			
TR-67	125 CT	8	50*	1.5	\$ 8.35
TR-68	5,000	3,000 CT	20*	.20	10.00

*Unbalanced primary current.

THORDARSON DRIVERS (MTG. BAH)

Designed especially for driving power transistors such as: Sylvania Nos. 2N68, 2N95, 2N141; CBS Nos. 2N255, 2N256. Size: $1\frac{1}{4}$ " h. x $2\frac{1}{4}$ " w. x $1\frac{1}{4}$ " d. $1\frac{1}{4}$ " mtg. cntrs. Wt., 0.4 lb. Mtg. type not illus.

Thord. No.	Impedance		Primary Ma. DC	Power, Watts	List Price
	Primary	Secondary			
TR-64	100	100 CT	200	0.5	\$3.20
TR-65	100	200 CT	200	.5	3.20
TR-66	500 CT	200 CT	50	.5	3.20

MEISSNER TRANSISTOR OSCILLATOR COILS

Designed for standard broadcast frequencies for use with transistors.

Meissner No.	Fig.	Tun. Cond. Cap. (μ f)	Nominal Ind. μ h	Dimensions Inches	List Price
14-9004	IF(I)	365*	140	$1\frac{1}{4}$ " Dia. x $\frac{1}{4}$ " H.	\$2.00
14-9006	SS	78	248	$\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{8}$ " H.	5.00
14-9010	IF(I)	82	262	$\frac{1}{4}$ " Dia. x $1\frac{1}{8}$ " H.	2.00
14-9012	US	59	346	$\frac{1}{2}$ " Dia. x $\frac{1}{4}$ " H.	2.50
14-9014	IF(I)	98	207	$1\frac{1}{4}$ " Dia. x $\frac{1}{8}$ " H.	2.00
14-9016	IF(I)	365*	145	$1\frac{1}{4}$ " Dia. x $\frac{1}{8}$ " H.	2.00

*Pad. 750.

MEISSNER TRANSISTOR IF TRANSFORMERS FIG. (C)

Permeability tuned. May be used in printed circuits. Applications: A, Input; J, Interstage; S, Output. All units $\frac{1}{4}$ " square; lug mounted.

Meissner No.	Freq. kc	Imped., Ohms	Ht., In.	Application	List Price
16-9001	262	20,000	600	$\frac{3}{4}$ " A, J, S	\$5.00
16-9002	455	25,000	600	$\frac{3}{4}$ " A, J, S	2.80
16-9003	455	10,000	600	$\frac{3}{4}$ " A, J, S	2.00
16-9004	455	10,000	1,500	$\frac{3}{4}$ " S	2.00
16-9007	455	80,000	25	$\frac{3}{4}$ " A	2.00
16-9008	455	30,000	25	$\frac{3}{4}$ " J	2.00
16-9009	455	30,000	1,000	$\frac{3}{4}$ " S	2.00
16-9012	455	25,000	250	$\frac{3}{4}$ " A	2.00
16-9013	455	20,000	150	$\frac{3}{4}$ " J	2.00
16-9014	455	20,000	1,000	$\frac{3}{4}$ " S	2.80

MEISSNER TRANSISTOR FERRITE ANTENNA COILS

High Q for maximum signal pickup and maximum transfer of energy to transistor. Standard broadcast frequencies.

Meissner No.	Fig.	Tun. Cond. Cap. (μ f)	Nominal Ind. μ h	Dimensions Inches	List Price
14-9001	FF	98	880	$\frac{1}{4}$ " x $\frac{1}{4}$ " x $2\frac{1}{2}$ "	\$2.50
14-9003	FR	365	240	$\frac{1}{4}$ " Dia. x 7 L.	2.50
14-9005	FR	123	667	$\frac{1}{4}$ " x $\frac{1}{4}$ " x $2\frac{1}{2}$ "	2.50
14-9009	FR	165	506	$\frac{1}{4}$ " Dia. x $2\frac{1}{2}$ "	2.00
14-9011	FR	73	1125	$\frac{1}{4}$ " Dia. x 5 L.	3.00
14-9013	FR	123	667	$\frac{1}{4}$ " Dia. x 5 L.	2.45
14-9015	IF	Any Cap.	Adj.	$\frac{1}{4}$ " Dia. x 2 L.	1.75
14-9017	FR	100-365	200-300	$\frac{1}{4}$ " x $1\frac{1}{4}$ " x $3\frac{1}{4}$ "	2.45
14-9019	FF	365	240	$\frac{1}{4}$ " x $1\frac{1}{4}$ " x $3\frac{1}{4}$ "	2.45

*Mounting bracket included.

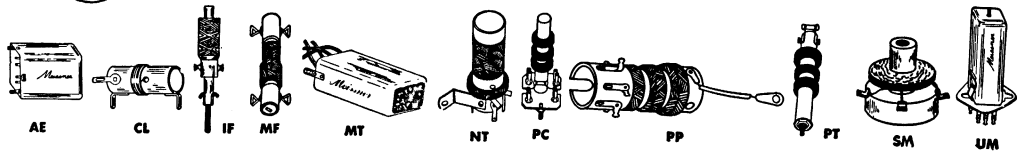
MEISSNER MIDGET VARIABLE CONDENSERS (FIG. G)

Designed for transistor circuits. Two-section counter-clockwise rotation for increased capacity. Each section provided with trimmer. Shaft diam., $\frac{1}{16}$ ". Osc. section cut plates for 455 kc IF. No. 21-9001 has 4-36 tapped mtg. hole; all others, 6-32.

Meissner No.	Capacity Per Section		Size, Inches	List Price
	Antenna	Oscillator		
21-9001	5.5-74 mmf	5.2-58 mmf	$1\frac{1}{8}$ " x $1\frac{1}{8}$ " x $1\frac{1}{8}$ "	\$2.80
21-9002	8.8-131.9	8.5-106.3	$1\frac{1}{8}$ " x $1\frac{1}{8}$ " x $1\frac{1}{8}$ "	2.80
21-9003	8.8-131.9	7.7-85.9	$1\frac{1}{8}$ " x $1\frac{1}{8}$ " x $1\frac{1}{8}$ "	2.80
21-9004	9.9-182.3	7.7-85.9	$1\frac{1}{8}$ " x $1\frac{1}{8}$ " x $1\frac{1}{8}$ "	2.80
21-9005	10-365	10-365	$2\frac{1}{8}$ " x $1\frac{1}{8}$ " x $1\frac{1}{8}$ "	3.30
21-9006	10-365	Single Section	$1\frac{1}{8}$ " x $1\frac{1}{8}$ " x $1\frac{1}{8}$ "	2.50



Meissner Coils



REPLACEMENT COILS (FIG. MT)

Gain characteristics correspond with average values of most commercial receivers. Double tuned with ceramic bases, mica-dielectric trimmers; leads extend 4" from aluminum cans (RETMA color-coded). Mtg., 1 1/2". Size: 3" h. x 1 1/2" sq.

Meissner No.	Use	Selectivity	2x	10x	List Price
16-5700*	Input	6.5	10x	17.7	\$2.75
16-5702*	Output	12.2	32.0		2.75
16-5731*	Output CT	9.8	23.0		2.50
16-5704*	Input	6.8	18.4		3.00
16-5706*	Output	17.9	46.2		3.50
16-5712*	Input	11.1	27.7		2.50
16-6133*	Interstage	14.5	36.5		2.75
16-5714*	Output	12.3	37.2		2.50
16-5736*	Output CT	23.2	60.0		2.75

*Also TV replacement. Peak Factory Settings: *175 kc; *262 kc; †456 kc.

HI Q IRON CORE STANDARD GENERAL REPLACEMENT (FIG. MT)

Nos. 16-6668, 16-6669 and 16-6678: Mtg., 1 1/2". Size: 2" h. x 3/4" sq. All others: Mtg., 1 1/2". Size: 3 1/2" h. x 1 1/2" sq.

Meissner No.	Use	Selectivity	2x	10x	List Price
16-5728*	Input	12.5	30.0		\$3.50
16-5730*	Output	16.5	44.0		3.50
16-6668*	Imp. (batt.)	22.5	54.3		3.00
16-6669*	Out. (batt.)	25.2	58.0		3.00
16-6678*	†	16.6	41.1		3.00
16-5746*	Input	8.4	20.0		3.50
16-6131*	Interstage	6.9	13.3		3.50
16-5742*	Output	13.8	38.0		3.50
16-5782*	Input	.....	.....		3.50
16-5784*	Output	.....	.....		3.50
16-8091*	Input*	8.5	35.0		3.00
16-8093*	Output	10.0	50.0		3.00

*Also TV replacement. †ACDC Input or output. *Or interstage. Peak Factory Settings: *175 kc; †456 kc; †1500 kc.

ANTENNA, R.F. AND OSCILLATOR COILS (BROADCAST BAND)

For replacement in practically any receiver. Will accurately track with other coils. Inductance variable by screwdriver adjustment.

Meiss. No.	Fig.	Use	Size, In. H. x Sq.	List Price
14-1026	PC	Ant.	1 1/2 x 1 1/2	\$2.50
14-1027	PC	R.F.	1 1/2 x 1 1/2	2.50
14-1028†	PC	Osc.	1 1/2 x 1 1/2	2.50
14-1075	IF	Ant.	1 1/2 x 1 1/2	2.20
14-1076	IF	R.F.	1 1/2 x 1 1/2	2.20
14-1077	IF	Osc.	1 1/2 x 1 1/2	2.20
14-1056	PT	Ant.	1 1/2 x 1 1/2	3.00
14-1057	PT	R.F.	1 1/2 x 1 1/2	2.50
14-1058	PT	Osc.	1 1/2 x 1 1/2	2.50
14-7413	AE	Ant.	2 1/2 x 1 1/2	3.00
14-7558	AE	R.F.	2 1/2 x 1 1/2	3.00
14-7560†	AE	Osc.	2 1/2 x 1 1/2	3.00
14-1410	UM	Ant.	2 x 1 1/2	2.00
14-1411	UM	R.F.	2 x 1 1/2	2.00
14-1412	UM	Osc.	2 x 1 1/2	2.00
14-7000	IF	†	2 1/2 x 1 1/2	2.00
14-7001	IF	†	2 1/2 x 1 1/2	1.25

*Loop ant. replacement. †Loop ant. replacement (tapped for outside ant.). *Diameter. †Use in padder or cut-plate circuits for I.F. of 175-520 kc.

"PENTAGRID" OSCILLATOR COILS

Tapped type for pentagrid converter tubes, 456 kc I.F. Cover broadcast band. 3/4" dia. No. 14-1055: 1 1/2" h., 1/2" hole. Nos. 14-1033, 14-1053: 1" h., 1/2" hole.

Meissner No.	Fig.	Use	List Price
14-1033	SM	W/420 µfd cond. and padder	\$1.75
14-1053	SM	W/162 µfd "Cut" section condenser	1.75
14-1055	PT	Adj., 175-500 kc	2.25

GENERAL REPLACEMENT COILS

For replacement as well as original parts. Cover broadcast band from 545-1620 kc, with 365 µfd tuning condenser. All have high-Z primaries, Litz wire secondaries. All except Nos. 14-1022 and \$200 14-1023—List Price Nos. 14-1022, 14-1023—List \$1.75

Meissner No.	Fig.	Use	Freq. KC	Size, In. H. x Sq.
14-1010*	NT	Ant.	.....	1 1/2 x 1 1/2
14-1011*	NT	R.F.	.....	1 1/2 x 1 1/2
14-1022*	NT	Ant.	.....	2 1/2 x 1 1/2
14-1023*	NT	R.F.	.....	2 1/2 x 1 1/2
14-1004*	AE	R.F.	.....	2 1/2 x 1 1/2
14-1005*	AE	Ant.	.....	2 1/2 x 1 1/2
14-2436*	AE	Ant.	.....	2 1/2 x 1 1/2
14-2437*	AE	R.F.	.....	2 1/2 x 1 1/2
14-3732†	PC	Osc.	175**	1 1/2 x 1
14-6590†	PC	Osc.	262††	1 1/2 x 1
14-6592†	PC	Osc.	370**	1 1/2 x 1
14-4034†	PC	Osc.	456**	1 1/2 x 1
14-4242*	AE	Osc.	175**	1 1/2 x 1 1/2
14-4243*	AE	Osc.	456**	1 1/2 x 1 1/2

Padder Required (µfd): **900; †700; †#500; †\$350. Mtg.: *Single bracket; †1 1/2"; †1 1/2"; †1 1/2" hole; *1 1/2". Diameter.

3/4" ANTENNA, R.F. AND OSCILLATOR COILS (FIG. UM)

For compact single and multi-band receivers. Cover long wave and three short wave bands. Adjustable inductance; use with 365 µfd tuning condenser and 456 kc I.F. amplifier. Clip mounting; 2" h. x 3/4" sq.

Meissner No.	Use	Frequency	List Price
14-1407	Antenna	140-425 kc	\$3.00
14-1408	R.F.	140-425 kc	3.00
14-1409	Oscillator	140-425 kc	3.00
14-1410	Antenna	540-1700 kc	2.00
14-1411	R.F.	540-1700 kc	2.00
14-1412	Oscillator	540-1700 kc	2.00
14-1413	Antenna	1.7-5.3 mc	2.00
14-1414	R.F.	1.7-5.3 mc	2.00
14-1415	Oscillator	1.7-5.3 mc	2.00
14-1416	Antenna	5.3-16 mc	2.00
14-1417	R.F.	5.3-16 mc	2.00
14-1418	Oscillator	5.3-16 mc	2.00
14-1419	Antenna	12-36 mc	2.00
14-1420	R.F.	12-36 mc	2.00
14-1421	Oscillator	12-36 mc	2.00

MULTI-BAND COILS (FIG. AE)

For use by custom builders, experimenters, etc., with 456 kc I.F. channel. Provided with instructions and diagrams.

Meiss. No.	Use	Frequency	Mtg. In.	List Price
14-7476	Ant.	530-1660 kc	1 1/2	\$5.00
		5.8-19 mc		
14-7478	R.F.	530-1660 kc	1 1/2	5.00
		5.8-19 mc		
14-7480	Osc.	530-1660 kc	1 1/2	5.00
		5.8-19 mc		
14-1070	Osc.*	530-1660 kc	1 1/2	5.00
		5.8-19 mc		
14-2860†	Ant.	530-1660 kc	**	5.00
		5.8-19 mc		
14-2862†	Osc.	530-1660 kc	**	5.00
		5.8-19 mc		
14-1067	Ant.	535kc-19mc	2	7.00
14-1068	R.F.	535kc-19mc	2	7.00
14-1069	Osc.	535kc-19mc	2	7.00
14-1015	Ant.	136-370 kc	1 1/2	7.00
		530-1580 kc		
14-1016	R.F.	136-370 kc	1 1/2	7.00
		530-1580 kc		
14-1017	Osc.	136-370 kc	1 1/2	7.00
		530-1580 kc		

†Fig. NT. *For 12BE6. **Single bracket. †3 overlapping bands.

MINIATURE COILS (FIG. MF)

Tiny coils for universal replacement in midjet receivers. Adjustable iron cores. Lead mounting.

Meissner No.	Use	Size, In. H. x Dia.	List Price
14-1071*	Antenna	1 1/2 x 3/8	\$1.75
14-1072	R.F.	1 1/2 x 3/8	1.75
14-1073	Oscillator*	1 x 3/8	1.75
14-1074	Oscillator*	1 x 3/8	1.75

*Also TV replacement. *Pentagrid converter. †Battery type.

SHORTWAVE ADJUSTABLE INDUCTANCE COILS (FIG. PT)

Adjustable Hi-Q iron core; tunes with 292 µfd condenser. 1/4" mounting hole.

Meissner No.	Use	Size, In. H. x Dia.	List Price
14-1041	Ant.*	1 1/2 x 3/4	\$3.00
14-1042	R.F.*	1 1/2 x 3/4	3.00
14-1043	Osc.*	1 1/2 x 3/4	3.00
14-1061	Ant.*	1 1/2 x 3/4	3.00
14-1062	R.F.*	1 1/2 x 3/4	3.00
14-1063	Osc.*	1 1/2 x 3/4	3.00
14-1044	Ant.*	1 1/2 x 3/4	3.00
14-1045	R.F.*	1 1/2 x 3/4	3.00
14-1046	Osc.*	1 1/2 x 3/4	3.00
14-1064	Ant.*	1 1/2 x 3/4	3.00
14-1065	R.F.*	1 1/2 x 3/4	3.00
14-1066	Osc.*	1 1/2 x 3/4	3.00

†Tapped for 6SA7 types. Freq. Range: *1.7-5.3 mc; †5.3-16.5 mc.

FM ANTENNA, R.F. AND OSCILLATOR COILS (FIG. CL)

88-108 mc with 10.7 mc I.F. strip. Lug mtg.

Meissner No.	Use	Size, In. H. x Dia.	List Price
14-6417	Antenna	1 x 3/8	\$2.00
14-6418	R.F.	1 x 3/8	1.50
14-6419	Oscillator	1 x 3/8	2.00

UNIVERSAL ADJUSTABLE INDUCTANCE OSCILLATOR COILS (FIG. PT)

For 456 kc I.F. strips; usable with over 25 different tube types. Screwdriver adjustment. Instructions included.

Meissner No.	Dimensions, Inches	List Price
14-1040	Mtg. Hole 1 1/2 x 3/4	\$2.50
14-1060	H. x Dia. 1 1/2 x 3/4	2.50

*May be used for TV replacement.

TRF AIRCRAFT COILS (FIG. MT)

Cover 195-410 kc with 365 µfd condenser. Coils designed for 456 kc I.F. system. Shielded.

Meiss. No.	Use	Size, Inches H. x Sq.	List Price
14-1030	Antenna	1 1/2 x 1 1/2	\$5.00
14-1031	R.F.	1 1/2 x 1 1/2	5.00
14-1032	Oscil.*	1 1/2 x 1 1/2	5.00

*Requires 200 µfd padder.

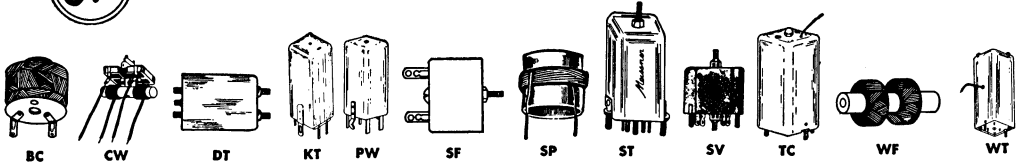
PLUG-IN TYPE COILS (FIG. PP)

For hobbyists building regenerative receivers. Cover 17-1500 meters. For use with socket type 9693. Instructions included.

Meiss. No.	Frequency	Size, In. H. x Dia.	List Price
18-2944	200-550 kc	2 x 1 1/2	\$3.00
18-2943	550-1500 kc	1 1/2 x 1	3.00
18-2942	8.6-17.6 mc	1 1/2 x 1	3.00
18-2940	15-43 mc	1 1/2 x 1	3.00
18-2941	43-86 mc	1 1/2 x 1	3.00
18-3500	175-540 kc	2 x 1 1/2	3.00
18-3501	540-1500 kc	2 x 1	3.00
18-3502	1.4-4.5 mc	1 1/2 x 1	3.00
18-3503	3.2-8.2 mc	1 1/2 x 1	3.00
18-3504	8-18 mc	1 1/2 x 1	3.00
18-3505	15-34 mc	1 1/2 x 1	3.00
9693	Socket	.....	.80



Meissner Coils, Chokes, I.F.'s



PHONO OSCILLATOR COIL (FIG. MT)

For building either wireless or direct connected phono-osc. units. $1\frac{1}{2}$ " mtg.; $3\frac{1}{2}$ " h. mtg.; $2\frac{1}{2}$ " h. x $1\frac{1}{2}$ " square. **\$375**
Meissner No. 17-9373—List Price.

456 KC NARROW BAND DISCRIMINATOR COIL (FIG. ST)

For use in adapters for converting regular communication receivers with 456 kc I.F. systems to narrow band FM. Peak separation of discriminator approx. 25 kc; usable linear portion about 15 kc. $1\frac{1}{2}$ " mtg.; $2\frac{1}{2}$ " h. x $1\frac{1}{2}$ " square. **\$380**
Meissner No. 17-3486—List Price.

B.F.O. COILS (FIG. MT)

For use with standard I.F.'s in superhets. $1\frac{1}{2}$ " mtg.; $2\frac{1}{2}$ " h. x $1\frac{1}{2}$ " sq.

Meiss. No.	Use	List Price
17-6074	290-650 kc (Fixed pitch)	\$3.00
17-6753	456 kc (Variable pitch)	5.00

10.7 MC I.F.'S—RATIO DETECTORS—DISCRIMINATORS

Permeability tuned; close tolerance; high stability shunt capacitors. Nos. 16-3487, 17-3498 and 17-3494: Clip mtgs. Nos. 16-3490, 17-3492 and 17-3491: Snap mtgs. Nos. 16-3471 and 16-3472: $1\frac{1}{2}$ " mtg. Nos. 16-6665 and 17-3484: $1\frac{1}{2}$ " mtg. No. 17-3488: $1\frac{1}{2}$ " mtg. No. 17-3487: $1\frac{1}{2}$ " mtg.

Meiss. No.	Fig.	Use	List Price
16-3487	UM	Inp., Intstg., Out.	\$2.75
16-3490	PW	Inp., Intstg., Out.	3.00
16-3471	ST	Inp., Intstg., Out.	3.00
16-3472	ST	Interstage	3.00
16-6665	SV	Inp., Intstg., Out.*	2.75
17-3488	ST	Ratio Detector	3.00
17-3498	UM	Ratio Detector	3.30
17-3492	PW	Ratio Detector	3.40
17-3487	ST	Ratio Detector†	3.40
17-3491	PW	Discriminator	3.40
17-3484	SV	Discriminator‡	3.30
17-3494	UM	Discriminator	3.30

*Also TV replacement. *350 kc bandwidth. ‡400 kc p-p.

IRON CORE R.F. CHOKES (FIG. BC)

High permeability powdered iron core, universal wound. 6-32 mounting hole; $1\frac{1}{2}$ " h. x $1\frac{1}{2}$ " dia.

Meiss. No.	Ind. Mh.	DC Res. Ohms	Current Cap.	List Price
19-6832	5	9	50	\$1.00
19-6833	1	14	50	1.10
19-2400*	2.4	12	125	1.00
19-6834	2.5	22.5	20	1.15
19-6837	5.0	34	20	1.30
19-6840	10	51.4	20	1.45
19-6842	30	114	20	1.70
19-6844	60	247	15	1.95
19-6846	80	258	15	2.20
19-6848	125	330	15	2.75
19-6849	150	450	15	2.75

*Mtg. CK; $1\frac{1}{2}$ " l. x $1\frac{1}{2}$ " dia.; axial leads.

COMPOSITE I.F. TRANSFORMER (FIG. DT)

Contains a 456 kc AM and a 10.7 FM I.F. Each circuit tuned by separate powdered iron cores. Terminals provide for various external circuit arrangements. Used in input, interstage or output. $2\frac{1}{2}$ " h. x $1\frac{1}{2}$ " sq. $1\frac{1}{2}$ " mtg. **\$500**
Meissner No. 16-6675—List Price

PERMEABILITY TUNED I.F.'S

Tuned top and bottom with adjustable iron cores. Silver mica condensers; one-piece plastic base. With separate mounting centers. Nos. 16-6800 and 16-6801: $1\frac{1}{2}$ " sq. ($1\frac{1}{2}$ " mtg.); all others $3\frac{1}{2}$ " sq. (#16-6756 & 16-6780—snap mtg.; #16-6760 & 16-6761— $1\frac{1}{2}$ " mtg.; others— $3\frac{1}{2}$ " to $1\frac{1}{2}$ " mtg.).

Meissner No.	Fig.	Use	Select. 2x	10x	List Price
16-6752*	UM	Input	12	35	\$2.50
16-6754*	UM	Output	18	45	2.50
16-6756*	PW	Intstg.	12	35	2.75
16-6758*	UM	Intstg.	14	38	2.20
16-6764**	UM	§§	15	40	2.20
16-6765**	UM	††	14	37	2.20
16-6766**	UM	‡‡	16	41	2.30
16-6770*	UM	§	18	42	2.30
16-6780#	PW	Intstg.	14	38	2.40
16-6800#	KT	Input	16	34	2.40
16-6801#	KT	Output	18	38	2.50
16-6760†	ST	Input	17	37	2.50
16-6761†	ST	Output	19	53	2.50

*Also TV replacement. §Or output. †Or interstage. §§As combined input and output. ‡Input 12 v. B+ supply. #Output with diode filter. Peak Factory Settings: *262 kc; #456 kc; **455 kc; †1500 kc (for double conversion receivers).

TWEETER FILTER OUTPUT I.F. TRANSFORMERS (FIG. MT)

For replacement use in receivers with tweeter filter enclosed in I.F. shield. Leads extend 4" from can; RETMA color-coded. No. 16-6679: $2\frac{1}{2}$ " h. x $1\frac{1}{2}$ " sq.; $1\frac{1}{2}$ " mtg. No. 16-6670: $2\frac{1}{2}$ " h. x $1\frac{1}{2}$ " sq.; $1\frac{1}{2}$ " mtg.

Meiss. No.	Freq. KC	Selectivity 2x	10x	List Price
16-6679	262	12	34	\$3.00
16-6670	456	17.5	50.5	3.00

CARTWHEEL I.F. (FIG. CW)

Complete with dual trimmers on one-piece plastic base. For small AC-DC receivers. Leads extend 4" from coil. 456 kc peak factory setting. Selectivity: 2x—18; 10x—45. For input, interstage or output. Single screw mounting; $1\frac{1}{2}$ " h. x $1\frac{1}{2}$ " w. x $1\frac{1}{2}$ " l.

Meissner No. 16-6661—**\$240**
List Price.....

"ALIGNAIR" I.F. (FIG. WT)

Stable, unaffected by humidity; non-microphonic; dust-proof. Hi-Q powdered iron cores. Double tuned. Peak factory setting: 456 kc. 2" mtg.; $4\frac{1}{2}$ " h. x 2" sq.

Meiss. No.	Use	Selectivity		List Price
		2x	10x	
16-6643	Input	7.0	16.0	\$12.00
16-6123	Interstage	7.0	18.0	12.00
16-6645	Output	9.0	25.6	12.00
16-6139	Output CT	9.0	23.2	12.00

REPLACEMENT I.F. WINDINGS AND SLIP-OVER PRIMARIES

Coupling adjustable by sliding primary. Complete instructions furnished.

Meiss. No.	Fig.	Replacement Use	H. x Dia.†	List Price
16-6600	WF	157 kc IF wind.	$1\frac{1}{2}$ " x $1\frac{1}{2}$ "	\$1.03
16-6601	WF	456 kc IF wind.	$1\frac{1}{2}$ " x $1\frac{1}{2}$ "	1.03
16-6602	WF	175 kc IF wind.	$1\frac{1}{2}$ " x $1\frac{1}{2}$ "	1.33
16-6603	WF	456 kc IF wind.	$1\frac{1}{2}$ " x $1\frac{1}{2}$ "	1.33
14-6850	SP	RF Primary*	$\frac{3}{4}$ " x $1\frac{1}{2}$ "	.50
14-6852	SP	RF Primary*	$\frac{3}{4}$ " x $1\frac{1}{2}$ "	.42
14-6854	SP	RF Primary*	$\frac{3}{4}$ " x $1\frac{1}{2}$ "	.42
14-6856	SP	RF Primary*	$\frac{3}{4}$ " x $1\frac{1}{2}$ "	.42
14-8418	SP	RF Primary*	$\frac{3}{4}$ " x $1\frac{1}{2}$ "	.37
14-6865	SP	RF Primary‡	$\frac{3}{4}$ " x $1\frac{1}{2}$ "	.50

*Slip-over. †Dowel mounting. ‡Inches

AIR CORE "PLASTIC" I.F. TRANSFORMERS (FIG. MT)

Simple, rigid construction on one-piece plastic form; double tuned trimmed base. Leads extend 4". RETMA color-coded. $2\frac{1}{2}$ " high. Nos. 16-6666 and 16-6667: $1\frac{1}{2}$ " mtg., $1\frac{1}{2}$ " sq. All others: $1\frac{1}{2}$ " mtg., $1\frac{1}{2}$ " sq.

Meissner No.	Peak Set KC	Selectivity 2x	10x	List Price
16-6649*	175	6.0	17.5	\$2.65
16-6650*	175	5.7	15.0	2.65
16-6651†	175	11.5	29.5	2.65
16-6652†	262	9.5	24.7	2.40
16-6653‡	262	10.4	27.6	2.40
16-6654‡	262	20.5	57.1	2.40
16-6655‡	370	8.4	24.4	2.40
16-6656‡	370	11.3	30.0	2.40
16-6657‡	370	18.8	46.6	2.40
16-6658‡	456	18.8	46.6	2.40
16-6659‡	456	12.5	33.0	2.40
16-6660‡	456	17.5	50.5	2.40
16-6666*	456	14.1	37.5	2.40
16-6667*	456	18.0	49.5	2.40

*Also TV replacement Use: *Input. †Interstage. ‡Output.

HIGH-Q IRON CORE "PLASTIC" (FIG. MT)

Same as above but coils have Hi-Q powdered iron cores. $1\frac{1}{2}$ " mtg.; $2\frac{1}{2}$ " h. x $1\frac{1}{2}$ " sq. Peak setting, 456 kc. Selectivity: 2x—11.2; 10x—30.0. **\$250**
Meissner No. 16-6662—Input. List
Meissner No. 16-6663—Output.
List Price.....**\$250**

AIR CORE RF CHOKES

Single hole (6-32) mounting. Moisture-proofed. Shielded (SF) chokes have terminals through top of can for mounting on chassis wall. All $\frac{1}{4}$ " high except 19-7908: $1\frac{1}{2}$ ". 19-1986 through 19-2709: $1\frac{1}{2}$ " dia.; balance: $1\frac{1}{2}$ " square. Mtg., 6-32 hole.

Meiss. No.	Fig.	Ind. Mh.	DC Res. Ohms	Current Cap.	List Price
19-1986	BC	.25	10	50	\$0.60
19-1987	BC	.50	15	50	.60
19-1988	BC	.75	20	50	.60
19-1989	BC	1.0	24	50	.60
19-1990	BC	1.5	29	50	.60
19-1994	BC	2.5	40	20	.90
19-4551	BC	5.5	57.5	20	.90
19-2078	BC	8.0	75	20	.90
19-8770	BC	10	82.5	20	.90
19-1995	BC	16	108	20	.90
19-1991	BC	20	140	20	1.00
19-2330	BC	30	159	20	1.30
19-3247	BC	60	258	20	1.40
19-2709	BC	80	372	16	1.60
19-7908	SF	.0825	2.05	50	1.30
19-5580	SF	.50	11	50	1.10
19-5581	SF	1.0	19	50	1.10
19-5582	SF	2.5	37	50	1.30
19-5583	SF	5.5	62	20	1.30
19-5588	SF	8.0	77	30	1.30
19-1900	SF	10	82	20	1.10
19-5590	SF	16	109	20	1.50
19-5592	SF	30	165	20	1.50
19-5594	SF	60	318	16	2.00
19-5596	SF	80	342	16	2.00

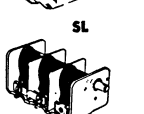
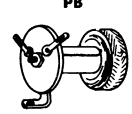
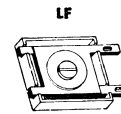
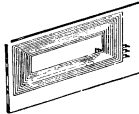
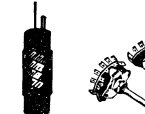
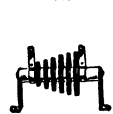
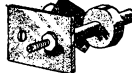
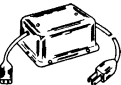
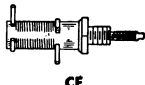
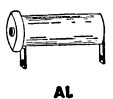
456 KC BAND EXPANDING I.F. TRANSFORMERS

Provide variable selectivity by means of a tap switch. Extremely sharp resonance curve in first position; other positions provide good flat-top characteristics. Powdered iron cores. $1\frac{1}{2}$ " sq. Mtg., $1\frac{1}{2}$ ".

Meiss. No.	Fig.	Use	Ht. In.	List Price
17-7400	TC	Input	$3\frac{1}{2}$ "	\$7.50
17-7412	TC	Output	$3\frac{1}{2}$ "	7.50
17-7510	ST	Input-Interstage	$3\frac{1}{2}$ "	7.50
17-7514	ST	Output	$2\frac{1}{2}$ "	7.50



Coils, Chokes, Filters



R.F. CHOKES (FIG. CK)

Universal progressive wound. Low distributed capacity. Mounting leads. $\frac{7}{8}$ " high x $\frac{3}{8}$ " dia.

Meiss. No.	Ind. Mh.	DC Res. Ohms	Current Capac.	List Price
19-6022	22	1.17	300	\$0.75
19-6033	33	1.43	300	.75
19-7047	47	0.82	300	.75
19-7068	68	1.10	300	.75
19-7100	100	1.33	300	.75

ADJUSTABLE UNIVERSAL R.F. CHOKES

For experimenters and hobbyists requiring inductances slightly different from standard values. Variable by simple screwdriver adjustment. Shielded (ST) coils have terminals in base. Nos. 19-6872 through 19-6876: $1\frac{1}{2}$ " mtg.; $2\frac{1}{2}$ " h. x $1\frac{1}{2}$ " sq. All others: Single bracket mtg.; $1\frac{1}{4}$ " h. x $1\frac{1}{2}$ " dia.

Meissner No.	Inductance Range Mh.	Current Capacity Ma.	List Price
19-6880	.045-11	200	\$1.40
19-6881	.095-21	200	1.40
19-6882	.19-42	200	1.40
19-6883	.38-75	125	1.40
19-6884	.68-1.1	125	1.40
19-6885	.95-1.6	125	1.40
19-6886	1.5-2.3	125	1.40
19-6887	2.0-3.2	125	1.40
19-6888	3.0-4.7	125	1.60
19-6889	4.5-7.2	125	1.60
19-6890	7-11	125	1.60
19-6891	10-16	125	1.60
19-6892	15-23	125	1.90
19-6893	20-31	100	1.90
19-6894	30-50	100	1.90
19-6872*	2.5-10	110	2.50
19-6874*	10-30	110	2.75
19-6876*	30-60	100	3.00

*Fig. ST; all others, Fig. SB.

IRON CORE R.F. CHOKES (FIG. SF)

6-32 mounting hole. $1\frac{1}{2}$ " h. x $1\frac{1}{2}$ " sq.

Meiss. No.	Ind. Mh.	DC Res. Ohms	Current Capac.	List Price
19-6854	2.5	22.5	20	\$1.50
19-6860	10	51.4	20	1.80
19-6862	30	114	20	2.10
19-6864	60	247	15	2.30
19-6866	80	258	15	2.45
19-6868	125	330	75	3.00

LOOP ANTENNA (FIG. LA)

Broadband band antenna. 8" mounting; $\frac{1}{4}$ " h. x $6\frac{1}{2}$ " w. x $9\frac{1}{4}$ " d. Meissner No. 14-6140—List Price \$4.00

TV I.F.'S, RATIO DETECTORS, DISCRIMINATORS FOR TV (FIG. PW)

For printed circuits. Snap mounting. $2\frac{1}{2}$ " high x $\frac{3}{4}$ " square.

Meiss. No.	Use	Freq.	List Price
16-6756	Input-Output	262 kc	\$2.75
16-6780	Input-Output	456 kc	2.40
17-3489	Input-Interstage	4.5 mc	2.90
17-3490	Discriminator	4.5 mc	3.40
17-3491	Ratio Detector	4.5 mc	3.50
16-3490	Imp.-Outp.-Inter.	10.7 mc	3.40
17-3491	Discriminator	10.7 mc	3.40
17-3492	Ratio Detector	10.7 mc	3.40
17-5016	Converter	44 mc	3.00
17-5011	1st Video IF	44 mc	3.00
17-5012	2nd Video IF	42.5 mc*	3.00
17-5013	3rd Video IF	45.5 mc#	3.00
17-5014	4th Video IF	44 mc	3.00

*Tr. 41.25. #Tr. 47.25.

TRANSMITTER CHOKES (FIG. CC)

Highly efficient R.F. chokes for amateur and commercial use; six lateral wound sections. Low distributed capacity windings on ceramic dowels with tapped end holes. Mounting brackets ($3\frac{3}{4}$ " included. $2\frac{1}{2}$ " h. x $4\frac{1}{2}$ " w.

Meiss. No.	Ind. Mh.	Cur. Cap. Ma.	Res. Ohms	Deep. In.	List Price
19-3018	2.5	1000	5	$1\frac{1}{2}$	\$4.00
19-3019	2.8	1000	5	$1\frac{3}{4}$	4.00
19-3022	5	500	12.5	2	4.00
19-3025	5.9	200	34.9	$1\frac{1}{2}$	4.00

R.F. FILAMENT CHOKES (FIG. SW)

Single layer wound. 300 ma. Mounting leads.

Meiss. No.	Ind. Mh.	DC Ohms	Size, In. H. x Dia.	List Price
19-1007	.7	.1	$\frac{3}{8}$ x $\frac{3}{8}$	\$0.60
19-1000	1	.207	$\frac{3}{8}$ x $\frac{3}{8}$	.60
19-1001	1.5	.252	$\frac{3}{8}$ x $\frac{3}{8}$	.60
19-1002	2.4	.331	$\frac{3}{8}$ x $\frac{3}{8}$	.60
19-1003	3.9	.44	$\frac{3}{8}$ x $\frac{3}{8}$	.60
19-4215*	4.0	.012	$1\frac{1}{4}$ x $\frac{3}{8}$	.75
19-1004	6.2	.525	$\frac{3}{8}$ x $\frac{3}{8}$	.60
19-1005	10	.697	$\frac{3}{8}$ x $\frac{3}{8}$	.60
19-1006†	15	.2	$\frac{3}{8}$ x $\frac{3}{8}$	.60

*Fig. WC, 6000 ma. †Iron core.

ADJUSTABLE CERAMIC FORM INDUCTORS (FIG. CF)

Subminiature types wound on silicone impregnated ceramic forms for maximum stability; mounting hardware included. $\frac{5}{8}$ " mounting hole; $\frac{3}{8}$ " high.

Meissner No.	Inductance Range, μ h.	Dia. In.	List Price
19-6800	15-28	$\frac{1}{4}$	\$2.50
19-6801	25-40	$\frac{1}{4}$	2.50
19-6802	38-70	$\frac{1}{4}$	2.50
19-6803	65-1.2	$\frac{1}{4}$	2.50
19-6804	1.0-2.0	$\frac{1}{4}$	2.50
19-6805	2.0-4.0	$\frac{1}{4}$	2.50
19-6806	4.0-8.0	$\frac{1}{4}$	2.50
19-6807	8.0-16.0	$\frac{1}{4}$	2.50
19-6808	16-32	$\frac{1}{4}$	2.50
19-6809	32-64	$\frac{1}{4}$	3.00
19-6810	64-120	$\frac{1}{4}$	3.00
19-6811	120-240	$\frac{1}{4}$	3.00
19-6812	240-400	$\frac{3}{8}$	3.00

BAND SWITCHES (FIG. EA)

Meissner No.	Description	List Price
24-8274*	4-pole, 2-position	\$2.50
24-8273*	3-section, 3-pole, 3-position	4.00

* $\frac{3}{8}$ " mtg. hole; $\frac{3}{4}$ " w. $1\frac{1}{2}$ " d. $\frac{3}{8}$ " mtg. hole; $1\frac{1}{2}$ " w. $4\frac{1}{2}$ " d.

ELIMINATES TV INTERFERENCE CAUSED BY ELECTRIC AND ELECTRONIC EQUIPMENT (VACUUM SWEEPERS, ELECTRIC RAZORS, NEON LIGHTS, ETC.). INSERTION LOSS IS ALMOST ZERO.

Meiss. No.	Fig.	Use	List Price
15-1072*	SL	Hi-pass 72 ohm TV ant. couplant	\$ 5.50
15-1003*	SL	Hi-pass 300 ohm TV ant. couplant	5.50
15-7515*	LF	Lo-pass 110 v. 3 amp. line filter	15.00
15-7520*	MT	Band stop 10 kc, 75 ma.	15.00

†Attenuates up to 50 mc. *Mtg., $3\frac{1}{4}$ " $1\frac{1}{2}$ " h., $2\frac{1}{2}$ " w., $3\frac{1}{2}$ " d. #Mtg., $4\frac{1}{4}$ " $2\frac{1}{2}$ " h., $3\frac{1}{4}$ " w., $4\frac{1}{2}$ " d. #Mtg., $1\frac{3}{4}$ " $2\frac{3}{4}$ " h., $1\frac{1}{4}$ " w., $1\frac{1}{4}$ " d.

I.F. AND BROADCAST BAND WAVE TRAPS

Eliminate interference from strong broadcast stations, image frequencies and long-wave transmitters. Fully shielded; moisture protected. Instructions for use as retractor or by-pass. $1\frac{1}{2}$ " mounting brackets attached to shield.

Meiss. No.	Fig.	Atten. Range	Size, In. H. x Sq.	List Price
15-8479	MT	400-700 kc	$2\frac{1}{2}$ x $1\frac{1}{2}$	\$2.00
15-8480	MT	650-1000 kc	$2\frac{1}{2}$ x $1\frac{1}{2}$	2.00
15-8481	MT	950-1600 kc	$2\frac{1}{2}$ x $1\frac{1}{2}$	2.00
15-2866*	PB	456 kc	$1\frac{1}{2}$ x $1\frac{1}{2}$	2.00
15-2888†	SU	265 kc	$1\frac{1}{2}$ x $1\frac{1}{2}$	5.00

* $\frac{3}{8}$ " mtg. hole. $1\frac{1}{2}$ " h. $\frac{3}{8}$ " w. $1\frac{1}{4}$ " d. †Trap; replaces Bendix 118-0009; $1\frac{1}{2}$ " mtg.

ADJUSTABLE OSCILLATOR PADDER CONDENSERS (FIG. OP)

$\frac{1}{4}$ " mounting hole; $\frac{1}{2}$ " h. x $\frac{1}{2}$ " w. x $1\frac{1}{2}$ " d.

Meissner No.	Capacity Range μ fd	List Price
22-7000	15 to 115	\$0.75
22-7001	65 to 315	.75
22-7006	110 to 560	.75
22-7007	260 to 800	1.40
22-7008	340 to 1100	.90

AIRCRAFT BAND COILS (FIG. AE)

Broadcast band, 540-1620 kc with 362 μ fd tuning condenser.

Meissner No.	Use	List Price
9820	Antenna Input Coil	\$1.50
9822	Antenna Output	1.50
9824	R.F. Input Coil	2.50
9826	R.F. Output Coil	1.50
9828	Untuned R.F. Coil	2.50

TUNING CONDENSERS (FIG. VE)

Meissner No.	Description	List Price
21-6128*	2-section variable; 11-420 μ fd/section	\$ 6.50
21-5202†	3-section variable; 12-465 μ fd/section	10.00
21-6131‡	3-section variable; 22 μ fd/section*	6.50

*Trimmers on center and rear section. †Three 6-32 tapped mtg. holes; $2\frac{3}{8}$ " h., $1\frac{1}{2}$ " w., $2\frac{1}{2}$ " d. $\frac{1}{4}$ " x $3\frac{3}{4}$ " mtg. holes; $1\frac{1}{2}$ " h., $1\frac{1}{2}$ " w., $3\frac{3}{4}$ " d. ‡Three 6-32 tapped mtg. holes; $1\frac{1}{2}$ " h., $1\frac{1}{2}$ " w., $3\frac{3}{4}$ " d.

"ALIGNAIRE" CONDENSER (FIG. AL)

Capacity range, 2-12 μ fd. Solder lug mounting; $\frac{1}{8}$ " dia., $1\frac{1}{2}$ " h. Meissner No. 22-5230—List Price \$3.00

TV, FM AND SHORTWAVE TRAPS (FIG. SL)

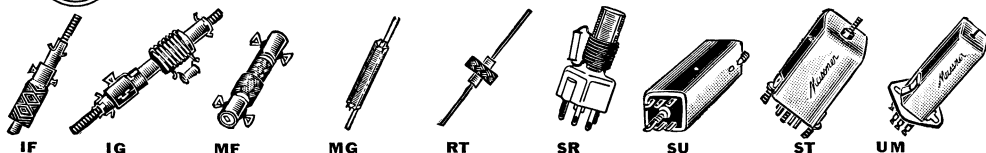
Tunable; attenuate interfering signals. Efficient with balanced or unbalanced line from 50 to 500 ohms impedance. $3\frac{3}{4}$ " mtg.; $1\frac{1}{2}$ " h. x $2\frac{1}{2}$ " w. x $3\frac{1}{2}$ " d.

Meissner No.	Atten. Range	For	List Price
15-7510	6-13 mc	40 meter	\$6.00
15-7511	13-27 mc	20-15 mtr	6.00
15-7512	27-54 mc	6, 10 mtr	6.00
15-7513	54-108 mc	Ch. 2-6*	6.00
15-7513A*	54-108 mc	Ch. 2-6*	6.00
15-7514	108-216 mc	Ch. 7-13†	6.00

*Consists of a parallel and a series trap. †Also FM. ‡Also taxis, hi-freq. police.



Meissner TV Components



I. F. TRANSFORMERS, SOUND AND VIDEO

Meissner No.	Fig.	Application	Frequency MC	Trap	Mtg. In.*	Size, H. x W.*	List Price
17-3489	PW	Input-Interst.	4.5		Snap	2 x 3/8 S	\$2.90
17-1021	ST	Input-Interst.	4.5		1 1/2 Clip	2 1/2 x 1 1/8 S	2.40
17-3495	UM	Input-Interst.	4.5		1 1/2 Clip	2 x 3/8 S	2.70
16-3445	ST	Input-Interst.	4.5		1 1/2 Clip	2 x 3/8 S	2.75
17-1071	ST	Input-Interst.	4.5		1 1/2 Clip	1 1/2 x 3/8 S	2.75
17-3412	IF	Interst. Sound	4.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-1034	ST	Sound IF	4.5		1 1/2 Clip	1 1/2 x 3/8 S	1.80
17-3403	IF	Sound IF	4.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-1025	ST	Sound Take-off	4.5	tapped	1 1/2 Clip	1 1/2 x 3/8 S	2.75
17-1031	ST	Sound Take-off	4.5		1 1/2 Clip	1 1/2 x 3/8 S	1.75
17-3400	IF	Sound Take-off	4.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-3401	IF	Sound Take-off	4.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-3402	IF	Sound Take-off	4.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-1011	ST	Input Sound IF	21.25		1 1/2 Clip	2 1/2 x 3/8 S	2.40
17-1012	ST	Output Snd. IF	21.25		1 1/2 Clip	2 1/2 x 3/8 S	2.40
20-1048	ST	Sound IF	21.25		1 1/2 Clip	1 1/2 x 3/8 S	3.00
17-1020	ST	Converter	21.25		1 1/2 Clip	2 1/2 x 3/8 S	2.75
17-1001	ST	1st Video IF	25.3	27.25	1 1/2 Clip	2 1/2 x 3/8 S	2.75
17-1002	ST	2nd Video IF	22.3	19.75	1 1/2 Clip	2 1/2 x 3/8 S	2.10
17-1003	IF	3rd Video IF	25.2		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-1004	IF	4th Video IF	23.4		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-1062	IF	2nd Video IF	25.7		1 1/2 Clip	1 1/2 x 3/8 D	1.50
17-1063	IF	3rd Video IF	23.4		1 1/2 Clip	1 1/2 x 3/8 D	1.50
17-1064	IF	4th Video IF	25.7		1 1/2 Clip	1 1/2 x 3/8 D	1.50
17-1066	IF	Video IF	21.5		1 1/2 Clip	1 1/2 x 3/8 D	1.50
17-1005	IG	1st Video IF	25.5	27.25	1 1/2 Clip	2 1/2 x 3/8 D	2.50
17-1006	IG	2nd Video IF	22	21.2	1 1/2 Clip	2 1/2 x 3/8 D	2.50
17-4507	SR	1st Video IF	22	19.75	1 1/2 Clip	2 1/2 x 1 S	4.00
17-4508	IF	5th Video IF	22.5		1 1/2 Clip	1 1/2 x 3/8 S	2.00
17-4512	ST	1st Video IF	22.25	27	1 1/2 Clip	2 1/2 x 3/8 S	3.50
17-4500	IG	Converter	43.1	41.6	1 1/2 Clip	2 1/2 x 3/8 S	2.50
17-4501	IG	1st Video IF	42.5	39.75	1 1/2 Clip	2 1/2 x 3/8 D	2.50
17-4502	IG	2nd Video IF	45.75	47.25	1 1/2 Clip	2 1/2 x 3/8 D	2.75
17-4503	ST	3rd Video IF	43	39.75	1 1/2 Clip	2 1/2 x 3/8 S	3.00
17-4504	ST	4th Video IF	44.2	47.25	1 1/2 Clip	2 1/2 x 3/8 S	3.00
17-4534	IF	1st Video IF	43		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-4535	IF	2nd Video IF	43.25	41.25	1 1/2 Clip	2 x 1 1/2 D	2.50
17-4536	IF	3rd Video IF	45.4	47.25	1 1/2 Clip	2 x 1 1/2 D	2.50
17-4521	ST	1st Video IF	45.75	47.25	1 1/2 Clip	2 1/2 x 3/8 S	2.75
17-4522	IF	2nd Video IF	43		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-4523	IF	3rd Video IF	45.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-4524	IF	4th Video IF	44.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-5000	UM	Converter	44		1 1/2 Clip	2 x 3/8 S	2.40
17-5001	UM	1st Video IF	44		1 1/2 Clip	2 x 3/8 S	2.40
17-5002	UM	2nd Video IF	42.5	41.25	1 1/2 Clip	2 x 3/8 S	2.00
17-5003	UM	3rd Video IF	45.5	47.25	1 1/2 Clip	2 x 3/8 S	2.40
17-5004	UM	4th Video IF	44		1 1/2 Clip	2 x 3/8 S	1.70
17-5010	PW	Converter	44		Snap	2 x 3/8 S	3.00
17-5011	PW	1st Video IF	44		Snap	2 x 3/8 S	3.00
17-5012	PW	2nd Video IF	42.5	41.25	Snap	2 x 3/8 S	3.00
17-5013	PW	3rd Video IF	45.5	47.25	Snap	2 x 3/8 S	3.00
17-5014	PW	4th Video IF	44		Snap	2 x 3/8 S	3.00
17-4518	ST	1st Vid. IF Grid	44	41.25	1 1/2 Clip	2 1/2 x 1 1/8 S	5.50
17-4519	ST	1st V. IF Plate	44	39.75	1 1/2 Clip	2 1/2 x 3/8 S	4.00
17-4520	ST	2nd V. IF Grid	44	47.25	1 1/2 Clip	2 1/2 x 3/8 S	3.50
17-4505	ST	Converter	40		1 1/2 Clip	2 x 3/8 S	2.50
17-4511	ST	1st V. IF Grid	44	39.25	1 1/2 Clip	2 x 3/8 S	3.00
17-4532	ST	1st V. IF Plate	44	41.25	1 1/2 Clip	2 1/2 x 3/8 S	3.00
17-4533	ST	2nd V. IF Grid	44	47.25	1 1/2 Clip	2 1/2 x 3/8 S	2.75
17-4509	ST	2nd Video IF	45		1 1/2 Clip	3 x 3/8 S	4.00
17-4511	ST	4th Video IF	43.7 (Incl. 1N64 Xtal)		1 1/2 Clip	2 1/2 x 1 1/8 S	6.00
17-4514	ST	5th Video IF	43.7 (Incl. 1N60 Xtal)		1 1/2 Clip	2 1/2 x 1 1/8 S	6.00

RATIO DETECTORS, DISCRIMINATORS, QUADRATURES

17-1033	ST	Ratio Detector	4.5		1 1/2 Clip	2 1/2 x 1 1/8 S	\$3.30
17-3493	ST	Ratio Detector	4.5		1 1/2 Clip	2 1/2 x 1 1/8 S	3.30
17-3497	UM	Ratio Detector	4.5		1 1/2 Clip	2 x 3/8 S	3.30
17-3499	PW	Ratio Detector	4.5		1 1/2 Clip	2 x 3/8 S	3.30
17-3477	ST	Ratio Detector	4.5		1 1/2 Clip	2 1/2 x 3/8 S	2.60
17-1023	ST	Discriminator	4.5		1 1/2 Clip	3 x 1 1/8 S	3.00
17-3496	UM	Discriminator	4.5		1 1/2 Clip	2 x 3/8 S	3.30
17-3490	PW	Discriminator	4.5		Snap	2 x 3/8 S	3.40
20-1007	IF	Quadrature	4.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-1031	ST	Quadrature	4.5		1 1/2 Clip	1 1/2 x 3/8 S	1.75
20-1005	IF	Quadrature	4.5		1 1/2 Clip	1 1/2 x 3/8 D	1.25
17-1043	ST	Ratio Detector	21.25		1 1/2 Clip	2 1/2 x 1 1/8 S	3.30
17-1045	UM	Ratio Detector	21.25		1 1/2 Clip	2 x 3/8 S	3.30
17-1035	ST	Discriminator	21.25		1 1/2 Clip	3 x 1 1/8 S	4.00
17-1013	ST	Discriminator	21.25		1 1/2 Clip	1 1/2 x 1 1/8 S	2.75
17-1047	UM	Discriminator	21.25		1 1/2 Clip	2 x 3/8 S	3.30

*Dimensions with suffix S are square, with suffix D are round.
**Dimensions with "h" are holes, as 1/4 hole.

VIDEO PEAKING COILS

Provided with tinned wire leads for ease of connection.

Meissner Number	Fig.	Induct. μ H	Shunt Resist.	Form Lqth.	Coil Diam.	List Price
19-3001	RT	0.8	None	3/4"	1/8"	\$0.60
19-2864	SM	10.9	None	3/4"	1/8"	1.75
19-1006	SW	15	None	3/4"	1/8"	60°
19-3036	RT	36	None	3/4"	1/8"	
19-4036	RT	36	10 Meg.	3/4"	1/8"	
19-4068	RT	60	22K	3/4"	1/8"	
19-4073	RT	73	10 Meg.	3/4"	1/8"	
19-3075	RT	75	None	3/4"	1/8"	60°
19-3093	RT	93	None	3/4"	1/8"	
19-4093	RT	93	10 Meg.	3/4"	1/8"	
19-3100	RT	100	None	3/4"	1/8"	
19-4121	RT	120	8.2K	3/4"	1/8"	
19-4129	RT	120	10K	3/4"	1/8"	60°
19-4122	RT	120	22K	3/4"	1/8"	
19-3125	RT	125	None	3/4"	1/8"	
19-4125	RT	125	22K	3/4"	1/8"	
19-3160	RT	160	None	3/4"	1/8"	
19-4160	RT	160	22K	3/4"	1/8"	60°
19-3180	RT	180	None	3/4"	1/8"	
19-4180	RT	180	None	3/4"	1/8"	
19-4261	RT	200	None	3/4"	1/8"	
19-4200	RT	200	10K	3/4"	1/8"	60°
19-3250	RT	250	None	3/4"	1/8"	
19-4250	RT	250	22K	3/4"	1/8"	
19-4251	RT	250	10 Meg.	3/4"	1/8"	
19-3300	RT	300	None	3/4"	1/8"	60°
19-4400	RT	400	None	3/4"	1/8"	
19-412	RT	412	8.2K	3/4"	1/8"	
19-3500	RT	500	None	3/4"	1/8"	
19-4500	RT	500	10 Meg.	3/4"	1/8"	
19-3660	RT	660	None	3/4"	1/8"	60°
19-4840	RT	840	3.3K	3/4"	1/8"	
19-4950	RT	950	None	3/4"	1/8"	
19-4100	RT	1000	10K	3/4"	1/8"	
19-5101	RT	1900	None	3/4"	1/8"	\$1.50
19-5102	RT	6700	None	3/4"	1/8"	

PERMEABILITY TUNED SOUND AND CATHODE TRAPS (FIG. IF)

Meissner No.	Use	Freq. MC	Shunt	Size, H. x Dia	List Price
17-6016*	Trap Pri.	3.58	27K 33 μ F	1 1/4 x 1/2	\$2.00
17-6017*	Trap Sec.	3.58	10K	1 1/4 x 1/2	2.00
17-1026*	Sound Trap	4.5	68 μ F	2 x 3/4	1.75
20-1004*	Sound Trap	4.5	47 μ F	1 1/2 x 1/2	1.25
20-1005*	Sound Trap	4.5	10 μ F	1 1/2 x 1/2	1.25
20-1006*	Trap	21.25	47 μ F	1 1/2 x 1/2	1.50
20-1045*	Cathode Trap	41.8	22K 36 μ F	1 1/2 x 1/2	1.75
20-1049*	Trap	47.25	None	1 1/2 x 1/2	1.25

Mounting: *1/4" hole; †1/4" hole, ‡Clip, §Square, ¶UM case.

ADJUSTABLE VIDEO PEAKING COILS (FIG. MF)

These Miniature Variable Inductance Coils permit exact frequency adjustment in Video Amplifier Stages.

Meissner No.	Minimum Inductance	Maximum Inductance	Mtg. H. x D.	Dimensions H. x D.	List Price
19-1920	65 μ H	115 μ H	Leads	1" x 1/2"	\$1.00
19-1921	115 μ H	195 μ H	Leads	1" x 1/2"	1.00
19-1922	195 μ H	325 μ H	Leads	1" x 1/2"	1.00
19-1923	325 μ H	500 μ H	Leads	1" x 1/2"	1.25

ANTENNA COUPLING TRANSFORMERS (FIG. CB)

Used to match receiver to transmission line.

Meissner No.	Use	Size, H. x Sq.	Mtg.*	List Price
15-1073	52-300 ohm or 300-52 ohm	1 1/2 x 3/4	Brack.	\$2.75
15-1074	72-300 ohm or 300-72 ohm	1 1/2 x 3/4	Brack.	2.75

*Single Hole.

ANTENNA INPUT TRANSFORMER

For coupling antenna to TV receiver. Mounting leads.

Meiss. No.	Mtg. Type	Description	Size, Inches	List Price
15-1082	MG	Ladder, Elevator, Balun	1 1/2 h. x 3/4"	\$0.83
15-1083	SU	Spider Coil	1 h. x 3/4"	1.25

*Hexagon. †Diameter.

TUNABLE CHOKES (FIG. IF)

Meissner No.	Freq. MC	Shunt μ F	Mounting	Dimensions H. x Dia.	List Price
19-1021	21-25	10*	1/4" hole	1 1/2" x 1/2"	\$1.20
19-1020	21-25	10*	3/8" hole	1 1/2" x 1/2"	1.20
19-1023	25-29	10*	1/4" hole	1 1/2" x 1/2"	1.20

*Circuit cap.

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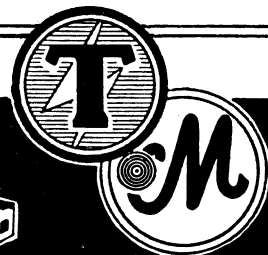
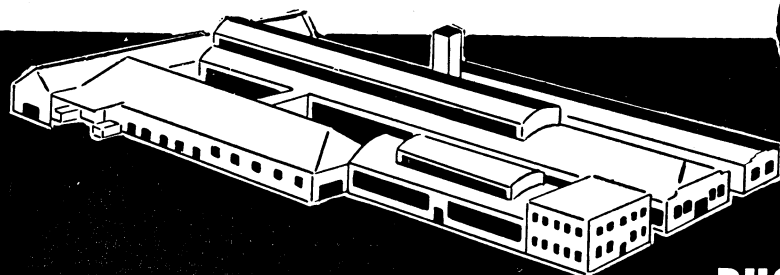
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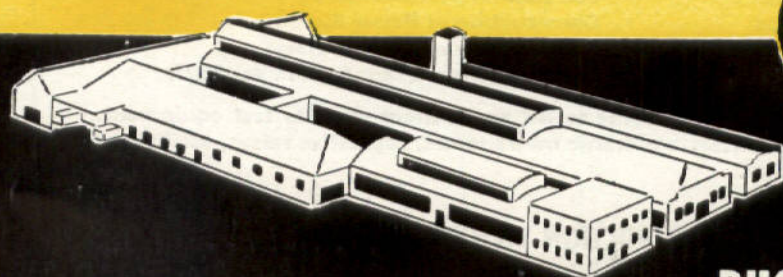


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