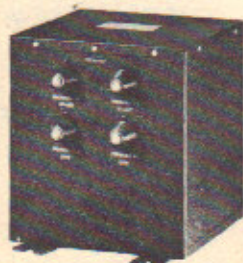


UTAH

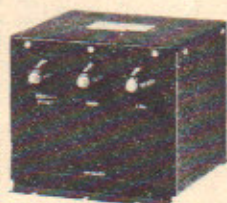
Transformers and Chokes

for

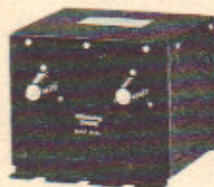
Amateur Transmitters and Audio Systems



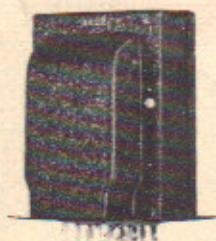
TYPE H
Overall Size:
11"H.x9 $\frac{1}{4}$ "L.x11 $\frac{1}{4}$ "W.



TYPE G
Overall Size:
7"H.x8 $\frac{1}{4}$ "L.x10"W.



TYPE F
Overall Size:
6"H.x7 $\frac{1}{4}$ "L.x9"W.



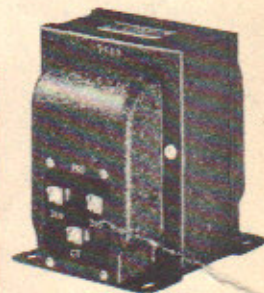
TYPE K
Overall Size:
5 $\frac{3}{4}$ "H.x4"L.x3 $\frac{3}{4}$ " to 5 $\frac{1}{4}$ "W.



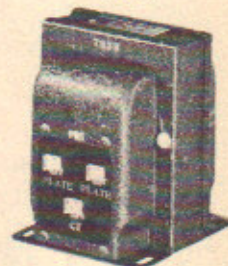
Amateur Station W9ETI
Chicago, Ill.

A 1-K.W. Station — Completely Utah Equipped

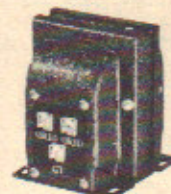
Utah Amateur Transformers are not high-priced but Utah quality is supreme. The same care in design, workmanship, and materials is put into these transformers as is put into the transformers which are manufactured for the finest broadcasting stations in the country. If you are planning on building or rebuilding your station, be sure to visit your Utah jobber.



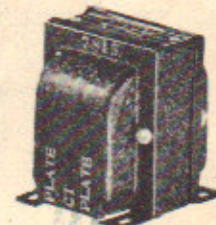
TYPE D
Overall Size:
5 $\frac{1}{4}$ "H.x4"L.x3 $\frac{1}{4}$ " to
5 $\frac{1}{4}$ "W.



TYPE C
Overall Size:
4 $\frac{1}{2}$ "H.x3 $\frac{1}{2}$ "L.x3 $\frac{1}{2}$ " to
3 $\frac{1}{2}$ "W.



TYPE B
Overall Size:
3 $\frac{1}{2}$ "H.x2 $\frac{1}{2}$ "L.x3" to
3 $\frac{1}{2}$ "W.



TYPE A
Overall Size:
2 $\frac{5}{8}$ "H.x2"L.x2" to 2 $\frac{1}{4}$ "W.

UTAH RADIO PRODUCTS CO.

AMATEUR RADIO DIVISION

TORONTO

CHICAGO, ILL.

BUENOS AIRES

LINE TO MODULATOR GRIDS

TRANS. NO.	PRIMARY	SECONDARY	TYPE MTG.	LIST PRICE
8132	500 ohm (15 watt Audio)	P.P. GRIDS CLASS "B" 800's	B	\$4.50
8428	500 ohm (20 watt Audio)	P.P. GRIDS CLASS "B" 03A-50T-354, etc.	C	7.00
8112	500 ohm (25 watt Audio)	P.P. GRIDS CLASS "B" 845's	C	7.00
8427	500 ohm (30 watt Audio)	P.P. GRIDS CLASS "B" HD03A-150T, etc.	D	8.50
8096	500 ohm (30 watt Audio)	2,500-5,000-7,500-10,000 ohms (100 M.A. D.C.)	C	7.50

TRANSMITTER REFERENCE CHART

AUDIO					RADIO—FREQUENCY						
SPEECH AMPLIFIER	DRIVER STAGE	MODULATOR CLASS "B"	POWER SUPPLY	AUDIO POWER OUTPUT	CARRIER OUTPUT WITH 100% MODULATION	R. F. POWER INPUT	POWER SUPPLY	MODULATED AMPLIFIER	DRIVER AMPLIFIER	BUFFER	OSC.
6C5 6F7 57 6C6	2-6C5 2-6F6 2-56 2-76	2-6L6's "Class AB" 2-250's "Class AB"	2-822 2-HD03A 2-849's 2-130T, 354 or HF 200's	2-866's and 1-83 or 1-523 or 1-83V	500 Watts 650 Watts	1000 Watts	2-872's or 4-866's and 1-83	2-T200's 2-150T's 2-354's 2-HF300's 2-849's 2-04A's 2-814's	1-50T 1-354 1-HF200 1-03A etc. 2-T35	1-35T 1-T35's 2-10's 1-801 1-800	47 39 2A5 6L6
6C5 6F7 57	2-6C5 2-6F6 2-56 2-76	2-2A3's 2-6L6's 2-250 "Class AB" 2-6F6's "Class AB"	2-150T's 2-354's 2-HF200's 4-03A's	2-866's and 1-83 or 1-523 or 1-83V	300 Watts 390 Watts	600 Watts	2-866's and 1-83	1-HD03A 1-150T 1-354 1-HF300 1-814 1-04A 1-849	1-800 1-RK18 1-WE304A 1-830B 1-30T 1-35T 1-T35	1-802 1-10 1-59 1-6L6	47 39 2A5 6L6
6C5 6F7 57 6C6 57	2-6C5 2-6F6 2-56 2-76 1-53	2-2A3's 2-6L6's 2-250's 2-6F6's "Class AB" 2-HF200's 2-825's	2-03B's 2-03A's 4-800's 2-838's 2-50T's 2-HF200's	2-866's and 1-83 or 1-523 or 1-83V	200 Watts 260 Watts	400 Watts	2-866's and 1-83 or 523 or 83V	2-30T's 2-HF200's 2-T35's 2-03A's 2-852's 2-860's	1-35T 1-RK18 1-RK20 1-800 1-830B	1-802 1-10 1-59 1-6L6	47 39 2A5 6L6
6C5 6F7 6N7 6C6 57	1-6C5 1-6F6 1-56 1-76 1-53	2-2A3's 2-45's 2-6L6's "Class A" 2-756's	2-50T's 2-800's 2-211D's 4-6L6's 2-756's	2-866's and 1-83V or 1-83 or 1-523	100 Watts 130 Watts	200 Watts	2-866's 3-523's or 3-83's and 1-523	2-800's 2-T35's 2-RK18's 1-50T 1-03A 1-852	1-10 1-800 1-802 1-6L6 1-2A3 1-841		47 39 2A5 6L6
6C5 6F7 6N7 6C5 57	1-6C5 1-6F6 1-56 1-76 1-53	2-56's 2-76's 1-2A3 1-6F6 1-53	2-6L6's "Class AB" 4-46's 2-210's 2-801's 2-50T's	1-83 or 1-523 and 1-523	50 Watts 65 Watts	100 Watts	1-83V or 1-83 or 1-523 and 1-83V or 1-523	1-800 1-RK18 1-830B 1-50T 1-03A 1-211 2-46's	1-59 1-6L6 1-45 1-2A3 1-10 1-802		47 39 2A5 6L6
6C5 6F7 6N7 6C5 57	1-6C5 1-56 1-76 1-53 1-6N7	1-56 1-76 1-6F6 1-53 1-6N7 1-6C5	2-46's 2-6F6's 2-6L6's "Class AB" Self Bias	1-83V or 1-83V and 1-523 or 1-80	25 Watts 33 Watts	50 Watts	1-523 or 1-83V and 1-80	1-210 2-6L6's 1-801 1-800 1-RK18 2-46's	1-46 1-210 1-6L6 1-45 1-6F6 1-59		6F6 6L6 6D6 53 6N7 6A6

NOTE—Above Speech Amplifiers and Modulator Output is from Crystal Mikes. For Carbon Mikes, the first Audio should be omitted. Average Amplifier gain=115 D.B.

NOTE—Above "Class C Outputs" are average for phone. For C.W. more output may be had. For Class "BC" phone—less output.

Efficiency
65%

Above
Power
Ratings
are for
Constant
Plate
Input

NOTE—Above Speech Amplifiers and Modulator Output is from Crystal Mikes. For Carbon Mikes, the first Audio should be omitted. Average Amplifier gain=11.5 D.B.

NOTE—Above "Class C Outputs" are average for phone. For C.W. more output may be had. For Class "BC" phone—less output.

FILAMENT TRANSFORMERS

TRANS. No.	PRI. VOLTS	A. C. FILAMENT VOLTAGE AND CURRENT RATINGS			TYPE MTG.	LIST PRICE	TRANS. No.	PRI. VOLTS	A. C. FILAMENT VOLTAGE AND CURRENT RATINGS			TYPE MTG.	LIST PRICE
		FIL. No. 1	FIL. No. 2	FIL. No. 3					FIL. No. 1	FIL. No. 2	FIL. No. 3		
1821	110-120	2.5V. @ 10.0A. C.T.	(5000 V. Insulation)		C	\$5.50	1833	110-120	2.5V. @ 10.0A. C.T.	2.5V. @ 5.0A. C.T.	2.5V. @ 5.0A. C.T. 5000 V. Insul.	D	\$7.25
1822	115-230	2.5V. @ 10.0A. C.T.	(5000 V. Insulation)		C	7.25	1813	110-120	5.0V. @ 3.0A. C.T.	2.5V. @ 6.0A. C.T.	2.5V. @ 3.0A. C.T.	C	8.00
1826	110-120	5.0V. @ 3.0A. C.T.			B	3.25	1824	110-120	5.0V. @ 3.0A. C.T.	5.0V. @ 3.0A. C.T.	2.5V. @ 10.0A. C.T. 5000 V. Insulation	D	7.25
2303	110-120	7.5V. @ 4.0A. C.T.	7.5V. @ 4.0A. C.T.		C	5.75	1834	110-120	5.0V. @ 3.0A. C.T.	5.0V. @ 3.0A. C.T.	5.0V. @ 3.0A. C.T.	C	6.00
1831	110-120	5.0V. @ 12.0A. C.T.	(Eimac 50T's etc.)		C	5.00	2302	110-120	5.0V. @ 3.0A.	6.3V. @ 3.0A. C.T.	2.5V. @ 3.5A. C.T.	See Note	4.75
2297	110-120	5.0V. @ 20.0A. C.T.	(Eimac 150T's etc.)		D	7.00	2300	110-120	5.0V. @ 3.0A. C.T.	6.3V. @ 3.0A. C.T.	2.5V. @ 3.5A. C.T.	C	6.00
1825	115-230	5.0V. @ 20.0A. C.T.	(15000 V. Insulation)		F	17.00	1816	110-120	7.5V. @ 6.5A. C.T.	2.5V. @ 6.0A. C.T.	2.5V. @ 3.0A. C.T.	D	8.00
2296	110-120	6.2V. @ 5.0A. C.T.			B	3.75	1814	110-120	7.5V. @ 3.0A. C.T.	5.0V. @ 3.0A. C.T.	2.5V. @ 8.0A. C.T.	C	6.00
1819	110-120	7.5V. @ 6.5A. C.T.			C	5.00	1815	110-120	10.0V. @ 6.5A. C.T.	7.5V. @ 4.0A. C.T.	2.5V. @ 6.0A. C.T.	D	8.50
1817	110-120	10.0V. @ 6.5A. C.T.			C	5.25							
1830	110-120	10.0V. @ 8.0A. C.T.			D	5.75							
1818	110-120	11.0V. @ 10.0A. C.T.			D	7.25							
1823	110-120	5.0V. @ 3.0A. C.T.	5.0V. @ 3.0A. C.T.		C	5.50							
2301	110-120	6.3V. @ 6.0A. C.T.	6.3V. @ 3.0A. C.T.		C	5.50							
2298	110-120	7.5V. @ 6.5A. C.T.	2.5V. @ 10.0A. C.T.		D	7.00							
1820	110-120	10.0V. @ 8.0A. C.T.	2.5V. @ 10.0A. C.T.	(5000 V. Insulation)	D	8.00							
2299	110-120	10.0V. @ 8.0A. C.T.	7.5V. @ 6.5A. C.T.		D	8.50							

Transformers designed for 50-60 cycle operation.
All Transformers insulated for 2500 volts unless otherwise specified.
NOTE: Type "C" mounting with leads out bottom.

CLASS "A" AND "AB" INPUT TRANSFORMERS

TRANSFORMER NUMBER	PRIMARY	SECONDARY	TYPE MTG.	LIST PRICE
7813	Sgl. Plate Triode 56, 76, 6C5, etc.	Sgl. GRID 1:3 Ratio	A	\$2.25
7814	Sgl. Plate Triode 56, 76, 6C5, etc.	P.P. GRID 1:3 Ratio	A	2.50
7815	P.P. Plates Triode	P.P. GRID 1:1 RATIO	A	2.75
8425	Sgl. or P.P. 56, 76, 6C5, etc.	P.P. 6L6's CLASS "AB"	B	3.75
8426	Sgl. or P.P. 56, 76, 6C5, 6F6, etc.	P.P. 6F6, etc. CLASS "AB"	B	3.75

CLASS "A", "AB" AND "B" OUTPUT TRANSFORMERS TO LINE OR SPEAKER

TRANSFORMER NO.	PRIMARY	SECONDARY	TYPE MTG.	LIST PRICE
7817	10,000 ohm Plate (30, 56, 6C5, 76, etc.)	200 or 500 ohm line	A	\$3.00
8444	Universal Class "A" Primary for Single, Push Pull, P.P. Par. Adjustable Impedance 3,000 to 14,000 ohms—40 Watts Audio.	2-4-8-16 Ohm Voice Coil	B*	4.50
8445	Universal Class "AB" or "B" Primary for Single, Push Pull, P.P. Par. Adjustable Impedance 3000 to 14,000 ohms—40 Watts Audio.	2-4-8-16 ohm Voice Coil.	B*	4.75
8446	Universal Class "A" Primary for Single, Push Pull, P.P. Par. Adjustable Impedance 3000 to 14,000 ohms—40 Watts Audio.	200 or 500 ohm line.	B*	4.50
8447	Universal Class "AB" or "B" Primary for Single, Push Pull, P.P. Par. Adjustable Impedance 3000 to 14,000 ohms—40 Watts Audio.	200 or 500 ohm line.	B*	4.75
8448	Class "AB" 6L6, 6600 ohms Plate to Plate, 35 to 40 Watts Audio Power.	4-8-16-500 Ohm.	B	4.75
8449	Class "AB" 6L6, 3800 ohms Plate to Plate, 80 Watts Audio Power.	4-8-16-500 Ohm.	C	6.00

*Have lugs at bottom.

DRIVER TRANSFORMERS

TRANS. NO.	PRIMARY	SECONDARY	TYPE MTG.	LIST PRICE
7832	1-30, etc.	1-19 or 2-30, etc.	A	\$3.00
7833	1-89, etc. Triode	1-79, etc.	A	3.00
7834	1-53, 6A6 Class A	1-53, 6A6, "B"	A	3.00
7835	1-46, 59, etc.	2-46, 59, etc.	B	3.75
7836	PP45, 6F6, etc.	2-46, 59, etc.	B	4.00
7837	PP-45, 2A3, etc.	2-T55, 800, 825, etc.	B	4.00
7838	PP-2A3, 250, etc.	2-50T, 830, etc.	B	4.00
8425*	PP-6C5, 56, etc.	2-6L6 "AB"	B	3.75
7839	PP-2A3, 250, etc.	2-03A, 830B	C	7.00
7840	PP-845, HD03A	2-04A, 849, etc.	D	10.00

*Can be used for Grid Modulation.

OUTPUT MODULATION TRANSFORMERS

TRANS. No.	PRIMARY		SECONDARY		D.C. M.A.	WATTS AUDIO	TYPE MTG.	LIST PRICE
	TUBE TYPE	IMPED.	OUTPUT IMPED.					
7841	1-19 1-1J6	10,000	500—3,000		50	5	A	\$2.75
7842	2-250	5,800	3,300—5,000—8,250		125	20	C	6.00
7843	2-210	8,000	5,000—10,000		150	50	D	8.50
8438	2-6L6 "AB"	6,500	2,500—5,000—7,500		150	35	C	7.00
8429	2-6L6 "AB" 2-35T	3,800	2,500—5,000—7,500		200	60	D	8.50
7845	2-03A 2-03B 2-211	8,000	5,000		250	100	F	16.00
8441	Universal Triodes "Class B" or "Class AB"	8,000 to 10,000	4,000—6,000 8,000—10,000		300	100	F	20.00
7844	2-800 2-825 2-RK18 2-RK30 2-RK31	12,500	5,000—8,880		200	150	F	16.50
8442	Universal Heavy Duty Triodes "Class B" or "Class AB"	8,000 to 10,000	4,000—6,000 8,000—10,000		400	250	G	26.00
7846	2-03A 2-242A 2-830B	8,000	2,500—10,000		400	300	G	24.00
8440	2-HD03A 2-822 2-905	8,000	500*—4,000 6,000—8,000		600	500	G	40.00
8430	Universal Super Duty Triodes "Class B" "Class AB"	8,000 to 10,000	4,000—6,000 8,000—10,000		500	600	H	70.00

*Tap is one quarter number of total turns, and is to be used for 25% modulation of a driver stage for cascade modulation.
TRANSFORMERS LISTED ABOVE ARE FOR CLASS "B" OPERATION UNLESS OTHERWISE SPECIFIED.

PLATE SUPPLY TRANSFORMERS

TRANS. NO.	PRI. VOLTS	SEC. A. C. LOAD VOLTS	D. C. VOLTS OUTPUT AFTER FILTER		D. C. M. A.	TYPE MTG.	LIST PRICE
			CONDENSER INPUT	CHOKE INPUT			
1800	115	550-0-550	550	400	200	D	\$ 7.50
1801	115	675-0-675	650	500	250	D	9.00
1802	115	485-0-485	525	375	175	D	6.00
1803	115	750-0-750	Not Recommended for Condenser Input	580	200	D	9.00
1804	115	790-0-790	—	610	150	D	7.00
1805	115	980-0-980	—	750	350	F	17.50
2294	115	1325-0-1325	—	1100	200	F	16.50
1806	115	1280-0-1280	—	1000	300	F	17.50
1807	115	1250-0-1250	—	1000	400	G	28.00
1808	115	1300-0-1300	—	1000	500	G	35.00
1809	115	1550-0-1550	—	1250 or 1500	400	G	35.00
1810	115	2350-0-2350	—	2000	250	G	35.00
2295	115	2850-0-2850	—	2500	250	G	37.50
1811	115	1200-0-1200	—	1000	500	H	54.00
1812	or 230	2400-0-2400	—	or 2000	375	H	62.50
	115	1750-0-1750	—	1500			
	or 230	3500-0-3500	—	or 3000			

Transformers designed for 50-60 cycle operation. DC ratings are based on use of Utah chokes in 2 section filter, including the voltage drop through the rectifier tubes. If chokes other than Utah are used, the DC voltage may differ from the rating.

COMBINED PLATE AND FILAMENT TRANSFORMERS

TRANS. NO.	PRI. VOLTS	SEC. A. C. LOAD VOLTS	D. C. M. A.	FIL. NO. 1	FIL. NO. 2	FIL. NO. 3	FIL. NO. 4	TYPE MTG.	LIST PRICE
1827	115	400-0-400	150	5V-3A*	2.5V-3A*	2.5V-5A*	1.5V-1A 6.3V-1.5A	K	\$6.00
2290	115	400-0-400	150	5V-3A*	6.3V-1.5A*	6.3V-2.5A*		K	6.00
1828	115	380-0-380**	150	5V-3A	2.5V-3A*	2.5V-5A*		K	7.00
2291	115	380-0-380**	150	5V-3A	6.3V-1.5A*	6.3V-2A*		K	7.00
1829	115	485-0-485	175	5V-3A*	2.5V-2A*	2.5V-6A*		K	8.00
2292	115	485-0-485	175	5V-3A*	6.3V-2A*	6.3V-2A*		K	8.00

Transformers designed for 50-60 cycle operation.

*Center tapped.

**Tapped to produce 40 to 80 volts bias.

SWINGING CHOKES

CHOKE NO.	D. C. M. A.	D. C. RES.	INSULATION	HENRIES	TYPE MTG.	LIST PRICE
4500	150	190	1500	8-40	B	\$4.25
4501	200	125	1500	8-30	B	4.50
4502	250	125	2000	8-30	C	6.00
4503	300	80	3000	8-25	D	7.00
4504	400	55	5000	5-25	D	10.00
4505	500	80	5000	5-20	F	16.00
4723	650	55	6000	5-15	F	18.00

Swinging or input chokes are recommended in all cases to insure adequate regulation.

FILTER CHOKES

CHOKE NO.	D. C. M. A.	D. C. RES.	INSULATION	HENRIES	TYPE MTG.	LIST PRICE
4506	2	4350	1000	300	A	\$2.50
4507	50	550	1000	23	A	2.50
4508	100	250	1500	17	B	4.00
4509	150	190	1500	15	B	4.25
4510	200	125	1500	10	B	4.50
4511	250	125	2000	12	C	6.00
4512	250	150	2000	15	D	6.75
4513	300	80	3000	12	D	7.00
4514	400	55	5000	10	D	10.00
4515	500	80	5000	12	F	16.00
4724	650	70	6000	13	F	24.00

MICROPHONE — LINE — MIXER TRANSFORMERS

TRANSFORMER NUMBER	PRIMARY	SECONDARY	TYPE MTG.	LIST PRICE
7800	200-0-200 ohm D.B. Mike	Grid	A	\$3.00
7802	200-0-200 ohm Heavy Duty D.B. Mike	Grid	B	4.75
7804	200 ohm Single Button Mike	Grid	A	3.00
7806	200 or 500 ohm Line	Grid	B	4.00
7807	50-100-150 ohm Line	Grid	B	4.00
7809	200-500 ohm Line	200-500 ohm Line	B	4.00
7810	200-500 ohm Line	50-100-150 ohm Line	B	4.00
7808	High Impedance Pickup	Grid	A	3.00
7812	High Impedance Pickup	200-500 ohm Line	A	3.00

ABOVE TRANSFORMERS ARE SUITABLE FOR PUBLIC ADDRESS EQUIPMENT