

Type	Sugg'd List Price	Type	Sugg'd List Price	Type	Sugg'd List Price	Type	Sugg'd List Price	Type	Sugg'd List Price	Type	Sugg'd List Price
OA2	\$4.35	3A8GT	\$4.80	6F5GT	\$1.65	6V6	\$3.20	12J7GT	\$2.00	35Z4GT	\$1.50
OA3/VR75	2.65	3LF4	2.65	6F6	2.00	6V6GT	2.00	12K7GT	1.65	35Z5GT	1.25
OA4G	2.65	3Q4	2.20	6F6G	1.65	6W4GT	1.80	12K8	2.40	36	2.65
OC3/VR105	2.65	3Q5GT	2.40	6F6GT	1.65	6W7G	2.65	12Q7GT	1.80	37	1.80
OD3/VR150	2.65	3S4	2.00	6F7	3.20	6X4	1.50	12SA7	1.65	38	2.20
OY4	4.80	3V4	2.00	6F8G	3.20	6X5	2.65	12SA7GT	1.65	39/44	2.65
OZ4	1.65	5AZ4	1.35	6G6G	2.65	6X5GT	1.50	12SC7	2.20	41	1.65
OZ4G	1.65	5T4	3.90	6H6	1.65	6Y6G	2.40	12SF5	1.80	42	1.65
1A3	2.20	5U4G	1.50	6H6GT	1.65	6Z7G	3.90	12SF7	2.00	43	1.65
1A4P	3.90	5V4G	2.40	6J5	1.50	6ZY5G	2.20	12SG7	2.00	45	1.65
1A5GT	1.80	5W4	2.65	6J5GT	1.50	7A4	1.80	12SH7	2.20	45Z3	1.80
1A6	3.20	5X4G	1.80	6J6	2.90	7A5	1.80	12SJ7	1.65	45Z5GT	1.80
1A7GT	2.00	5Y3G	1.05	6J7	2.00	7A6	1.80	12SJ7GT	1.65	46	2.65
1B3GT/8016	3.20	5Y3GT	1.05	6J7G	2.00	7A7	1.80	12SK7	1.65	47	2.40
1B4P	3.90	5Y4G	1.50	6J7GT	2.00	7A8	1.80	12SK7GT	1.65	49	2.65
1B5/25S	3.20	5Z3	1.80	6J8G	3.20	7AD7	2.65	12SL7GT	2.40	50	3.90
1C5GT	2.20	5Z4	2.65	6K5GT	2.40	7AF7	1.80	12SN7GT	2.20	50A5	2.20
1C6	3.20	6A3	3.20	6K6GT	1.50	7AG7	2.20	12SQ7	1.50	50B5	2.00
1C7G	3.20	6A6	2.65	6K7	1.65	7AH7	2.20	12SQ7GT	1.50	50C5	2.00
1D5GP	3.90	6A7	2.00	6K7G	1.65	7B4	1.80	12SR7	2.20	50L6GT	1.65
1D7G	3.20	6A8	2.00	6K7GT	1.65	7B5	1.80	12Z3	2.65	50X6	2.20
1D8GT	3.90	6A8G	2.00	6K8	2.40	7B6	1.80	14A4	2.65	50Y6GT	1.80
1E5GP	3.90	6A8GT	2.00	6K8G	2.90	7B7	1.80	14A5	3.90	53	2.65
1E7GT	3.90	6AB5/6N5	2.65	6L5G	2.65	7B8	1.80	14A7/12B7	2.20	55	2.20
1F4	2.65	6AB7/1853	3.20	6L6	3.55	7C5	1.80	14AF7	2.20	56	1.80
1F5G	2.65	6AC5GT	2.90	6L6G	2.90	7C6	1.80	14B6	2.20	57	2.00
1F6	3.90	6AC7/1852	2.90	6L7	2.40	7C7	1.80	14B8	2.20	58	2.00
1F7G	3.90	6AD7G	3.20	6L7G	2.90	7E6	1.80	14C5	2.20	59	3.55
1G4GT	2.65	6AF6G	2.65	6N6G	3.90	7E7	2.20	14C7	2.20	70L7GT	3.90
1G5G	2.65	6AG5	2.65	6N7	2.40	7F7	2.20	14E6	1.80	71A	2.00
1G6GT	2.65	6AG7	3.20	6N7GT	2.40	7F8	2.65	14E7	2.20	75	1.65
1H4G	2.20	6AK5	3.90	6P5GT	2.40	7G7/1232	2.65	14F7	2.20	76	1.65
1H5GT	1.65	6AK6	2.40	6Q7	2.00	7H7	2.00	14F8	2.65	77	1.65
1H6G	3.20	6AL5	2.00	6Q7G	1.80	7J7	2.65	14H7	2.20	78	1.65
1J6GT	3.20	6AL7GT	2.65	6Q7GT	1.80	7K7	2.65	14J7	2.65	79	2.65
1L4	2.00	6AQ5	2.00	6R7	2.65	7L7	2.20	14N7	2.65	80	1.15
1LA4	2.65	6AQ6	1.80	6R7GT	2.65	7N7	2.20	14Q7	2.20	81	3.90
1LA6	2.65	6AQ7GT	2.40	6S7	2.65	7Q7	1.80	14R7	2.20	82	2.65
1LB4	2.65	6AR5	1.65	6S7G	3.20	7R7	2.20	19	3.20	83	2.65
1LC5	2.65	6AS5	2.00	6S8GT	2.65	7S7	2.65	19J6	3.20	83V	3.20
1LC6	2.65	6AT6	1.50	6SA7	1.65	7V7	2.65	19T8	2.90	84/6Z4	1.80
1LD5	2.65	6AU6	2.00	6SA7GT	1.65	7W7	2.65	24A	2.20	85	2.20
1LE3	2.65	6AV6	1.50	6SB7-Y	2.40	7X7	2.65	25A6	3.20	89	2.20
1LG5	2.65	6B4G	3.20	6SC7	2.00	7Y4	1.80	25AC5GT	2.90	117L7/M7GT	3.90
1LH4	2.65	6B5	3.20	6SF5	1.65	7Z4	1.80	25L6	3.20	117N7GT	3.90
1LN5	2.65	6B6G	2.20	6SF5GT	1.80	10	3.90	25L6GT	1.65	117P7GT	3.90
1N5GT	2.00	6B7	3.20	6SF7	2.00	12A6	2.40	25Z5	1.50	117Z3	1.50
1P5GT	2.65	6B8	3.20	6SG7	2.00	12A7	3.20	25Z6	2.20	117Z4GT	2.90
1Q5GT	2.65	6B8G	3.20	6SH7	2.20	12A8GT	2.00	25Z6GT	1.35	117Z6GT	2.40
1R5	2.00	6BA6	1.80	6SJ7	1.65	12AH7GT	2.65	26	1.80	XXD	use 14AF7
1S4	2.40	6BA7	2.40	6SJ7GT	1.65	12AL5	2.00	27	1.50	XXFM	use 7X7
1S5	1.80	6BE6	1.80	6SK7	1.65	12AT6	1.50	30	2.00	XXL	use 7A4
1T4	2.00	6BF6	1.65	6SK7GT	1.65	12AT7	2.90	31	2.65	TELEVISION KINESCOPIES	
1T5GT	2.65	6BG6G	4.80	6SL7GT	2.40	12AU6	2.00	32	3.55	Sugg'd List Price	
1U4	2.00	6BH6	2.00	6SN7GT	2.20	12AU7	2.40	32L7GT	3.20	RCA Type	
1U5	1.80	6BJ6	2.00	6SQ7	1.50	12AV6	1.50	33	3.20	2V3G	\$5.25
1V	2.20	6C4	1.65	6SQ7GT	1.50	12AV6	2.65	34	3.20	3KP4	18.00
2A3	3.20	6C5	1.65	6SR7	1.80	12AX7	2.40	35	2.00	5BP4	27.50
2A4G	3.20	6C5GT	1.65	6SS7	1.80	12BA6	1.80	35A5	1.80	5TP4	74.25
2A5	2.20	6C6	2.00	6ST7	2.65	12BA7	2.40	35B5	2.00	6AS7G	6.75
2A6	2.65	6C8G	3.20	6SZ7	2.20	12BE6	1.80	35C5	2.00	7DP4	29.75
2A7	2.65	6D6	1.65	6T7G	3.20	12C8	3.20	35L6GT	1.65	7JP4	27.60
2R7	2.65	6D8G	3.20	6T8	2.90	12F5GT	1.80	35W4	1.25	9AP4	72.00
2E5	2.65	6E5	2.20	6U5/6G5	2.00	12H6	1.80	35Y4	1.80	10BP4	44.50
2X2A	4.35	6F5	1.65	6U7G	1.80	12J5GT	1.50	35Z3	1.80	12AP4	82.50



# RECEIVING TYPES

metal  
glass  
miniature  
television picture



A receiving tube for every radio equipment need! General Electric's complete line offers you a wide selection of metal, miniature and glass types. The G-E monogram means tops in quality and performance. A few receiving types are listed below—Ask for complete prices and ratings!

Type	Price
<b>1B3GT</b>	<b>\$3.20</b>
<b>1R5</b>	<b>2.00</b>
<b>1S5</b>	<b>1.80</b>
<b>1T4</b>	<b>2.00</b>
<b>1U4</b>	<b>2.00</b>
<b>3S4</b>	<b>2.00</b>
<b>3V4</b>	<b>2.00</b>
<b>5U4-G</b>	<b>1.50</b>
<b>5V4-G</b>	<b>2.40</b>
<b>5Y3-GT</b>	<b>1.05</b>
<b>6AG5</b>	<b>2.65</b>
<b>6AL5</b>	<b>2.00</b>
<b>6AQ5</b>	<b>2.00</b>
<b>6AU6</b>	<b>2.00</b>
<b>6AV6</b>	<b>1.50</b>
<b>6BA6</b>	<b>1.80</b>
<b>6BE6</b>	<b>1.80</b>
<b>6BG6G</b>	<b>4.80</b>
<b>6BJ6</b>	<b>2.00</b>
<b>6C4</b>	<b>1.65</b>
<b>6H6</b>	<b>1.65</b>

Type	Price
<b>6J5</b>	<b>\$1.50</b>
<b>6K6-GT</b>	<b>1.50</b>
<b>6L6-G</b>	<b>2.90</b>
<b>6SA7</b>	<b>1.65</b>
<b>6SC7</b>	<b>2.00</b>
<b>6SG7</b>	<b>2.00</b>
<b>6SJ7</b>	<b>1.65</b>
<b>6SK7</b>	<b>1.65</b>
<b>6SL7-GT</b>	<b>2.40</b>
<b>6SN7-GT</b>	<b>2.20</b>
<b>6SQ7</b>	<b>1.50</b>
<b>6T8</b>	<b>2.90</b>

Television Picture Tubes	
Type	Price
<b>5TP4</b>	<b>\$74.25</b>
<b>7JP4</b>	<b>27.60</b>
<b>10BP4</b>	<b>44.50</b>
<b>10FP4</b>	<b>49.50</b>
<b>12KP4</b>	<b>78.25</b>

Type	Price
<b>6V6-GT</b>	<b>\$2.00</b>
<b>6X4</b>	<b>1.50</b>
<b>6X5-GT</b>	<b>1.50</b>
<b>12AT7</b>	<b>2.90</b>
<b>12AU6</b>	<b>2.00</b>
<b>12AU7</b>	<b>2.40</b>
<b>12AV6</b>	<b>1.50</b>
<b>12AX7</b>	<b>2.40</b>
<b>12BA6</b>	<b>1.80</b>
<b>12BE6</b>	<b>1.80</b>
<b>12SA7</b>	<b>1.65</b>
<b>12SG7</b>	<b>2.00</b>
<b>12SK7</b>	<b>1.65</b>
<b>12SQ7</b>	<b>1.50</b>
<b>19T8</b>	<b>2.90</b>
<b>35B5</b>	<b>2.00</b>
<b>35L6-GT</b>	<b>1.65</b>
<b>35W4</b>	<b>1.25</b>
<b>35Z5-GT</b>	<b>1.25</b>
<b>50B5</b>	<b>2.00</b>
<b>50L6-GT</b>	<b>1.65</b>

Type numbers of metal tubes are shown in bold-face type.

Type numbers of miniature tubes are shown in italics.

Prices and other data subject to change without notice.

**FOR BEST PERFORMANCE ALWAYS USE**

**GENERAL ELECTRIC**





# TRANSMITTING AND INDUSTRIAL ELECTRONIC TUBES

## PLIOTRONS—GRID-CONTROLLED HIGH-VACUUM TUBES FOR USE AS MODULATORS, AMPLIFIERS, OSCILLATORS

Type No.	Price	No. of Electrodes	CATHODE		PLATE				MAX. FREQ. MC.	
			Volts	Amp.	Max. Volts	Max. Amp.	Max. Input, Watts	Max. Dissipation, Watts	@ Max. Plate Input	@ 50% Max. Plate Input
GL-2C39	\$41.50	3	6.3	1.1	600	0.100	15.8	4.8	500	.....
GL-2C43	11.00	3	6.3	0.9	500	0.040	16.7	6.7	3370	.....
⊙ GL-7D21	285.00	4	6.3	30.0	4000	1.0	3000	1200	110	.....
⊠ GL-9C24	550.00	3	6.3	250	6500	2.0	12000	5000	220	.....
GL-592	34.00	3	10	5.0	3500	0.250	600	200	110	.....
GL-805	13.50	3	10	3.25	1500	0.210	315	125	30	80
GL-807	2.50	5	6.3*	0.90	600	0.100	60	25	60	125 @ 55%
					750	0.100	75	30		
GL-812-A	4.05	3	6.3	4.00	1250	0.125	155	40	60	100 @ 60%
					1500	0.150	225	55		
GL-813	16.00	5	10.0	5.00	2000	0.180	360	100	30	60 @ 75%
GL-814	14.25	5	10.0	3.25	1250	0.150	180	50	30	100
⊙ GL-833-A	49.50	3	10.0	10.0	1500	0.150	225	65	30	75 @ 72%
					4000	0.500	1800	400		
⊠ GL-862-A**	1150.00	3	33	207.0	20000	10.00	20000	100000	1.6	.....
⊠ GL-880	483.00	3	12.6	320.0	10500	6.0	60000	20000	25	100
⊠ GL-889-A	210.50	3	11	125	8500	2.00	16000	5000	50	150
⊙ GL-889-R-A★	308.00	3	11	125	8500	2.00	16000	5000	25	.....
⊠ GL-893-A★	630.00	3	10§	61.0§	20000	4.00	70000	20000	5	40
⊙ GL-893-A-R★	1150.00	3	10§	61.0§	20000	4.00	70000	20000	5	25
GL-8000	14.50	3	10	4.5	2250	0.275	620	150	30	100
⊠ GL-8002	132.00	3	16	38	3500	1.00	3000	1200	150	300
⊙ GL-8002-R	150.00	3	16	38	3500	1.00	3000	1200	120	200

Figures in bold type are ICAS ratings.

\*Heater-type cathode.

★Lower prices apply when new tube is purchased and radiator in good condition is returned prepaid, to Schenectady.

\*\*Credit for return, prepaid, to Schenectady—carton \$5.00; tube \$10.00.

§Single-, three-, or six-phase filament. Voltage is per strand, current is per terminal.

⊙ Forced-air cooled type.

⊠ Water-cooled type.

## THYRATRONS— GRID-CONTROLLED GASEOUS-DISCHARGE-RECTIFIER TUBES

Type No.	Price	No. of Electrodes	CATHODE		ANODE			Starting Grid Voltage
			Volts	Amp	Peak Volts	Peak Amp	Avg Amp	
GL-3C23	\$12.50	3	2.5	7.0	1250	6.0	1.5	Neg
FG-27-A	21.00	3	5.0	4.5	1000	10.0	2.5	Neg
			5.0	10.0	2500	40.0	6.4	Var
FG-105	48.00	4	15.5	11.0	750	77.0	2.5	Var
			15.5	10.0	10000	16.0	4.0	Var
FG-172	65.00	4	5.0	10.0	2000	40.0	6.4	Var
			15.5	11.0	750	77.0	2.5	Var
GL-502-A	1.85	4	6.3	0.6	1300	0.500	0.100	Neg
			6.3	0.15	500	0.100	0.020	Neg
GL-5557/FG-17	7.00	3	2.5	5.0	5000	2.0	0.5	Neg
GL-5560/FG-95	23.00	4	5.0	4.5	1000	15.0	2.5	Var
			15.5	5.0	1000	40.0	0.5	Var

†These ratings apply only when the tube is used for ignitor firing.

‡These ratings apply only when the tube is used in thyatron welding-control service.

Prices and other data subject to change without notice.

There's a G-E Electronic Tube for Every Purpose:

- Pliotrons
- Ignitrons
- Phasitron
- Glow Tubes

- Thyratrons
- Phototubes
- Ballast Tubes
- Vacuum Capacitors

- Phanotrons
- Lighthouse Tubes
- Cathode-Ray Tubes
- Vacuum Switches

- Kenotrons

Ask for—ETX-10  
For complete Prices, Descriptions and Ratings.



GL-813 Pliotron



GL-592 Pliotron



GL-7D21 Pliotron



GL-502A  
Midget Thyatron



FG-95 Thyatron





# TRANSMITTING AND INDUSTRIAL ELECTRONIC TUBES



FG-32 Phanotron



GL-872A/872  
Phanotron



GL-8020 Kenotron



FG-235-A Ignitron



FG-271 Ignitron

## PHANOTRONS— GASEOUS OR MERCURY-VAPOR RECTIFIER TUBES

Type No.	Price	No. of Electrodes	CATHODE		ANODE		
			Volts	Amp	Peak Volts	Peak Amp	Avg Amp
FG-280	\$ 56.00	2	5.0	10	2000	40	6.4
GL-866-A	1.95	2	2.5	5	10000	1	0.25
GL-869-B	132.00	2	5	18	20000 15000*	15	2.5 5.0*
GL-870-A	1150.00	2	5	65	16000	.....	75.0
GL-872-A/872	8.20	2	5	7.5	10000	5	1.25
GL-5558/FG-32	14.00	2	5.0	4.5	1000	15	2.5
GL-5561/FG-104	38.00	2	5.0	10	3000	40	6.4

\*Quadrature operation.

## KENOTRONS—HIGH-VACUUM RECTIFIER TUBES

Type No.	Price	No. of Electrodes	CATHODE		PLATE		
			Volts	Amp	Max. Inv. Volts	Max. Amp.	Average Amp.
GL-411	\$187.00	2	10	14.5	100000	0.750	.....
GL-836	8.25	2	2.5*	5.0	5000	1.0	0.25
GL-1641	2.75	3	5.0	3.0	2120	0.250	.....
S/B-5625/KC4	230.00	2	20	24.5	150000	0.750	.....
GL-8013-A	10.30	2	2.5	5.0	40000	0.150	0.020
GL-8020	22.00	2	5.0 5.8△	6.0	40000 12500△	0.750	0.100 .....

\*Heater-type cathode.  
△Surge-limiting diode operation.

## IGNITRONS—HIGH-PEAK CURRENT, POOL-CATHODE TUBES

Type No	Price	Supply Volts	MAXIMUM RATINGS			
			Kva Demand	Correspond- ing Average Anode Cur- rent, Amps.	Maximum Average Anode Cur- rent, Amps.	Corre- sponding Kva Demand
GL-5550/GL-415*	\$ 44.00	250-600 rms	300	12.1	22.4	100
GL-5551/FG-271*	73.50	250-600 rms	600	30.2	56.0	200
GL-5552/FG-235-A*	110.00	250-600 rms	1200	75.6	140	400
GL-5553/FG-258-A*	241.00	250-600 rms	2400	192	355	800
GL-5554/FG-259-B†#	173.00	2400 rms	1200	75	113	600
GL-5555/FG-238-B†#	336.00	2400 rms	2400	135	207	1105

\*Ratings are for voltages of 600 volts rms and below.  
Ignitor requirements for all welding-control types are  
200 volts and 30 amperes.  
†Typical ignitor requirements for power-rectifier  
ignitrons are 75-125 volts, 15-20 amperes. Maximum

requirements are 150 volts, 40 amperes.  
#In addition to ratings given above for welder-  
control service the FG-238-B and FG-259-B may be  
used as power-rectifiers in the 125 to 900 d-c voltage  
fields (ratings will be supplied upon request).

Prices and other data subject to change without notice.

# RCA ELECTRON TUBES REPLACEMENT DIRECTORY

for INDUSTRY • COMMUNICATIONS • BROADCASTING



## Direct Replacement Types

RCA types shown below are direct replacements under all circumstances for corresponding types to be replaced. Tube types covered include: Vacuum Power

Tubes, Rectifier Tubes, Thyratrons, Ignitrons, Voltage Regulators, Phototubes, Cathode-Ray Tubes, and Special Types.

Type to be Replaced*	Replace by RCA Type	Type to be Replaced*	Replace by RCA Type	Type to be Replaced*	Replace by RCA Type
CE-1 (A-D)	868, 918	R61A	930	832	832-A
2AP1	2AP1-A	FG-67	1904	833	833-A
2B4	885	VR75-30	OA3/VR75	C-833	833-A
2X2/879	2X2-A	FG-95	5560	857	857-B
3AP1	3AP1-A	FG-104	5561	862	862-A
3BP1	3BP1-A	VR105-30	OC3/VR105	866	866-A
4D21	4-125A/4D21	VR150-30	OD3/VR150	866-A/866	866-A
4-250A	4-250A/5D22	CE-226	4B26/2000	869-A	869-B
5BP1	5BP1-A	FG-235A	5552	872	872-A
5CP1	5CP1-A	FG-238B	5555	872-A/872	872-A
5CP7	5CP7-A	HK-257 (B)	4E27/8001	F-872B	872-A
5FP7	5FP7-A	FG-258A	5553	879	2X2-A
5HP1-A	5BP1-A †	FG-259B	5554	889	889-A
6Q5-G	884	FG-271	5551	893	893-A
7BP7	7BP7-A	WT-272	5557	902	902-A
7GP4	7JP4	WE-289A	4B26/2000	UE-905	805
12DP7	12DP7-A	WT-294	OD3/VR150	905	905-A
PJ-8	5556	WE-295A	203-A	906-P1	3AP1-A
G-9	868	UE-303A	203-A	908	908-A
CE-11V (A-D)	917	WE-304B	834	914	914-A
RK-11	1623	F-307A	207	931	931-A
FG-17	5557	CE-309	5557	UE-938	838
RK-20A	804	CE-311	3C23	UE-949	849
CE-20	927	UE-311	211	UE-966A	866-A
CE-21 (A-D)	920	UE-311C	835	UE-967	5557
CE-23 (A-D)	923	UE-317C	217C	UE-972-A	872-A
PJ-23	868	WE-322A	803	UE-975-A	575-A
CE-25 (A-D)	927	UE-342B	211	1642	2C21/1642
RK-25	802	375A	575-A	1802-P1	5BP1-A
RK-25B	802	WE-397A	2K56	1803-P4	12AP4
CE-28 (A-D)	928	FJ-401	1P29	1804-P4	9AP4
RK-28	803	GL-415	5550	1811-P1	7CP1
RK-28A	803	GL-451	8020	1849	1850-A
CE-29 (A-D)	929, 1P39	WL-630	2050	1850	1850-A
CE-30 (A-D)	930, 1P40	WL-631	5559	2000	4B26/2000
RK-30	800	WL-632A	5560	2051	2050
FG-32	5558	KU-634	677	2525A5	5BP1-A
RK-33	2C21/1642	WL-651/656	5552	5728	1904
RK-39	807	WL-652/657	5551	8001	4E27/8001
CE-41	921	WL-653B	5555	8016	1B3-GT/8016
CE-42	922	WL-655/658	5553	189049	4B26/2000
RK-44	837	WL-679	5554	289416D	4B26/2000
RK-47	814	WL-681/686	5550		
R51A	927	NL-715	5557		
FG-57	5559	WL-735	868		
RK-57	805	672	672-A		
RK-58	838	801	801-A		
R59A	868, 918	812	812-A		
R60A	920	829	829-B		
HY-61/807	807	829-A	829-B		

See the reverse side of this page for a complete listing and suggested user's prices of more than 200 RCA Non-Receiving Tube Types.

For complete technical information on RCA Tubes for Industry and Communications see your RCA Distributor or write: Commercial Engineering, RCA Tube Department, Harrison, New Jersey.

† Except in high-altitude service.

\* Where a "type to be replaced" carries a multiple designation incorporating a 5500-series number, that type can be directly replaced by the RCA type having the same 5500-series number. For example: the 5557/FG-17, as well as the FG-17, is directly replaceable by the RCA-5557. Likewise, the 5552/651/656, as well as the WL-651/656, is directly replaceable by the RCA-5552.



# RCA ELECTRON TUBES

for INDUSTRY • COMMUNICATIONS • BROADCASTING



Type	Sugg'd User Price	Type	Sugg'd User Price	Type	Sugg'd User Price	Type	Sugg'd User Price	Type	Sugg'd User Price
OB2	\$ 2.30	6SJ7-Y(t)	\$ .85	835	\$ 16.25	957(t)	\$ 3.75	5555	\$ 336.00
1C21	2.45	6SN7GT(t)	1.40	836	8.25	958-A(t)	6.25	5556	10.00
1P21	50.00	7BP7-A	48.50	837	4.75	959(t)	6.25	5557	7.00
1P22	14.75	7C24	159.50	838	13.75	991	.75	5558	14.00
1P28	15.50	7CP1	30.75	841(t)	4.35	1603(t)	7.40	5559	19.50
1P29	2.95	7CP4	35.25	842	4.05	1608	7.90	5560	23.00
1P37	2.85	8D21	1775.00	843	2.30	1609	8.60	5561	38.00
1P39	1.85	9C21	866.00	845	13.75	1610(t)	2.50	5563	43.90
1P40	1.85	9C22*	1275.00	846	250.00	1612(t)	3.00	5581	2.25
1P41	2.80	9C25*	1158.25	849	138.00	1613(t)	2.65	5582	2.65
1P42	5.70	10-Y(t)	1.95	850	43.25	1614(t)	2.05	5583	3.05
2AP1-A	10.55	12DP7A	77.00	851	253.00	1616	8.65	5584	3.95
2BP1	9.60	12K8-Y(t)	1.30	857-B	209.00	1619	2.50	5588	110.00
2BP11	11.00	12L8GT(t)	2.25	858	500.00	1620(t)	6.60	5592*	1257.50
2C21/1642(t)	1.40	12SW7(t)	1.10	860	34.50	1621(t)	2.15	5618	3.60
2C22(t)	1.60	12SX7GT(t)	1.40	861	178.25	1622(t)	2.30	5651	3.30
2C40(t)	14.50	12SY7(t)	1.30	862-A†	1150.00	1623	4.05	5652	6.55
2C43(t)	11.00	26A6(t)	2.20	864	1.75	1624	4.00	5655	1300.00
2D21	2.00	26A7-GT(t)	5.95	865	11.50	1625	2.65	5671*	1425.00
2E24	5.10	26C6(t)	1.85	866-A	1.95	1626	1.85	5691(t)	7.75
2E26	3.85	26D6(t)	2.00	868	2.50	1629	1.40	5692(t)	7.75
2F21	105.00	89-Y	1.10	869-B	132.00	1631(t)	2.50	5693(t)	6.40
2K26(t)	192.00	105	48.00	872-A	8.20	1632(t)	3.10	5696	1.90
2K56(t)	185.00	172	50.00	874	2.75	1633(t)	1.95	5713	176.00
2P23	1200.00	203-A	13.75	876	5.50	1634(t)	1.40	5734	18.00
3A4(t)	1.20	204-A	115.00	878	12.75	1635(t)	2.15	5769	1200.00
3A5	1.95	207	242.00	880	483.00	1644(t)	3.10	5770	990.00
3AP1-A	14.25	211	13.75	884	1.85	1654	4.55	5771	510.00
3B25	6.40	217-C	21.50	885	2.00	1816-P4	85.00	5786	60.00
3BP1-A	16.50	304TH	55.00	886	4.60	1848	500.00	8000	14.50
3C23	12.50	502-A	1.85	889-A	210.50	1850-A	540.00	8003	13.00
3C33	21.25	559	5.35	889R-A*	308.00	1851(t)	2.90	8005	7.40
3D22	13.25	575-A	24.25	891	223.00	1904	23.00	8008	8.20
3DP1-A	18.00	579-B	13.20	891-R*	377.75	1945	109.25	8012-A	15.50
3DP1-S2A	18.25	627	17.25	892	223.00	1946	10.90	8013-A	10.30
3E22	8.30	629	10.00	892-R*	377.75	1947	8.40	8020	22.00
3E29	20.25	672-A	26.50	893-A	630.00	1949	11.30	8025-A	10.00
3FP7A	23.00	673	24.25	893A-R*	1150.00	1950	7.80	9001(t)	3.10
3JP1	16.50	676	48.00	898-A†	1150.00	2050	1.85	9002(t)	2.50
3JP7	21.00	677	48.00	902-A	12.50	5527	47.50	9003(t)	3.10
3KP1	14.50	800	11.50	905-A	65.25	5550	44.00	9004(t)	2.30
4B26/2000	9.85	801-A	3.75	908-A	16.50	5551	73.50	9005(t)	3.45
4C33	182.75	802	4.75	912	170.50	5552	110.00	9006(t)	1.60
4-125A/4D21	27.50	803	24.25	913	15.50	5553	241.00		
4-250A/5D22	37.50	804	17.50	914-A	93.50	5554	173.00		
4E27/8001	24.50	805	13.50	917	3.50				
4X150A	34.00	806	34.25	918	2.85				
4X500A	97.50	807	2.50	919	3.50				
5BP1-A	22.50	808	10.75	920	4.15				
5CP1-A	23.25	809	4.00	921	1.95				
5CP7-A	27.25	810	14.50	922	1.95				
5CP11-A	27.50	811	3.30	923	2.05				
5FP4-A	41.75	812-A	4.05	924	2.60				
5FP7-A	30.25	813	16.00	925	2.15				
5R4-GY(t)	1.50	814	14.25	926	2.90				
5UP1	17.75	815	6.90	927	2.50				
5UP7	20.25	816	1.30	928	3.15				
5UP11	22.00	826	12.50	929	1.75				
5WP11	70.00	827-R	172.50	930	1.65				
5WP15	70.00	828	13.75	931-A	9.75				
6AG7-Y(t)	1.75	829-B	16.25	934	3.40				
6C24	54.25	830-B	11.50	935	7.80				
6F4(t)	6.40	832-A	11.75	954(t)	5.65				
6J4(t)	8.05	833-A	49.50	955(t)	3.60				
6L4(t)	6.60	834	14.50	956(t)	6.30				

\* The following credits currently apply when radiators or crates are returned prepaid, in acceptable condition, to the address shown on our return authorization.

Tube Type	Radiator Credit	Crate Credit
9C22	110.00	40.00
9C25	130.00	40.00
889R-A	30.00	
891-R	35.00	10.00
892-R	35.00	10.00
893A-R	110.00	40.00
5592	130.00	40.00
5671	110.00	40.00

† \$5.00 credit allowed for prepaid return of shipping container and \$10.00 salvage credit allowed for prepaid return of 862-A and 988-A at time of new tube purchase, both to be in good condition.

Types marked with (t) are subject to Federal Excise Tax which is included, where applicable, in the prices shown above.

Prices in effect 12/15/48.



# RCA RECEIVING TUBES

RECEIVING • TELEVISION • SPECIAL



Type	Sugg'd List Price	Type	Sugg'd List Price	Type	Sugg'd List Price	Type	Sugg'd List Price	Type	Sugg'd List Price	Type	Sugg'd List Price
OA2	\$4.35	3A8GT	\$4.80	6F5GT	\$1.65	6V6	\$3.20	12J7GT	\$2.00	35Z4GT	\$1.50
OA3/VR75	2.65	3LF4	2.65	6F6	2.00	6V6GT	2.00	12K7GT	1.65	35Z5GT	1.25
OA4G	2.65	3Q4	2.20	6F6G	1.65	6W4GT	1.80	12K8	2.40	36	2.65
OC3/VR105	2.65	3Q5GT	2.40	6F6GT	1.65	6W7G	2.65	12Q7GT	1.80	37	1.80
OD3/VR150	2.65	3S4	2.00	6F7	3.20	6X4	1.50	12SA7	1.65	38	2.20
OY4	4.80	3V4	2.00	6F8G	3.20	6X5	2.65	12SA7GT	1.65	39/44	2.65
OZ4	1.65	5AZ4	1.35	6G6G	2.65	6X5GT	1.50	12SC7	2.20	41	1.65
OZ4G	1.65	5T4	3.90	6H6	1.65	6Y6G	2.40	12SF5	1.80	42	1.65
1A3	2.20	5U4G	1.50	6H6GT	1.65	6Z7G	3.90	12SF7	2.00	43	1.65
1A4P	3.90	5V4G	2.40	6J5	1.50	6ZY5G	2.20	12SG7	2.00	45	1.65
1A5GT	1.80	5W4	2.65	6J5GT	1.50	7A4	1.80	12SH7	2.20	45Z3	1.80
1A6	3.20	5X4G	1.80	6J6	2.90	7A5	1.80	12SJ7	1.65	45Z5GT	1.80
1A7GT	2.00	5Y3G	1.05	6J7	2.00	7A6	1.80	12SJ7GT	1.65	46	2.65
1B3GT/8016	3.20	5Y3GT	1.05	6J7G	2.00	7A7	1.80	12SK7	1.65	47	2.40
1B4P	3.90	5Y4G	1.50	6J7GT	2.00	7A8	1.80	12SK7GT	1.65	49	2.65
1B5/25S	3.20	5Z3	1.80	6J8G	3.20	7AD7	2.65	12SL7GT	2.40	50	3.90
1C5GT	2.20	5Z4	2.65	6K5GT	2.40	7AF7	1.80	12SN7GT	2.20	50A5	2.20
1C6	3.20	6A3	3.20	6K6GT	1.50	7AG7	2.20	12SQ7	1.50	50B5	2.00
1C7G	3.20	6A6	2.65	6K7	1.65	7AH7	2.20	12SQ7GT	1.50	50C5	2.00
1D5GP	3.90	6A7	2.00	6K7G	1.65	7B4	1.80	12SR7	2.20	50L6GT	1.65
1D7G	3.20	6A8	2.00	6K7GT	1.65	7B5	1.80	12Z3	2.65	50X6	2.20
1D8GT	3.90	6A8G	2.00	6K8	2.40	7B6	1.80	14A4	2.65	50Y6GT	1.80
1E5GP	3.90	6A8GT	2.00	6K8G	2.90	7B7	1.80	14A5	3.90	53	2.65
1E7GT	3.90	6AB5/6N5	2.65	6L5G	2.65	7B8	1.80	14A7/12B7	2.20	55	2.20
1F4	2.65	6AB7/1853	3.20	6L6	3.55	7C5	1.80	14AF7	2.20	56	1.80
1F5G	2.65	6AC5GT	2.90	6L6G	2.90	7C6	1.80	14B6	2.20	57	2.00
1F6	3.90	6AC7/1852	2.90	6L7	2.40	7C7	1.80	14B8	2.20	58	2.00
1F7G	3.90	6AD7G	3.20	6L7G	2.90	7E6	1.80	14C5	2.20	59	3.55
1G4GT	2.65	6AF6G	2.65	6N6G	3.90	7E7	2.20	14C7	2.20	70L7GT	3.90
1G5G	2.65	6AG5	2.65	6N7	2.40	7F7	2.20	14E6	1.80	71A	2.00
1G6GT	2.65	6AG7	3.20	6N7GT	2.40	7F8	2.65	14E7	2.20	75	1.65
1H4G	2.20	6AK5	3.90	6P5GT	2.40	7G7/1232	2.65	14F7	2.20	76	1.65
1H5GT	1.65	6AK6	2.40	6Q7	2.00	7H7	2.00	14F8	2.65	77	1.65
1H6G	3.20	6AL5	2.00	6Q7G	1.80	7J7	2.65	14H7	2.20	78	1.65
1J6GT	3.20	6AL7GT	2.65	6Q7GT	1.80	7K7	2.65	14J7	2.65	79	2.65
1L4	2.00	6AQ5	2.00	6R7	2.65	7L7	2.20	14N7	2.65	80	1.15
1LA4	2.65	6AQ6	1.80	6R7GT	2.65	7N7	2.20	14Q7	2.20	81	3.90
1LA6	2.65	6AQ7GT	2.40	6S7	2.65	7Q7	1.80	14R7	2.20	82	2.65
1LB4	2.65	6AR5	1.65	6S7G	3.20	7R7	2.20	19	3.20	83	2.65
1LC5	2.65	6AS5	2.00	6S8GT	2.65	7S7	2.65	19J6	3.20	83V	3.20
1LC6	2.65	6AT6	1.50	6SA7	1.65	7V7	2.65	19T8	2.90	84/6Z4	1.80
1LD5	2.65	6AU6	2.00	6SA7GT	1.65	7W7	2.65	24A	2.20	85	2.20
1LE3	2.65	6AV6	1.50	6SB7-Y	2.40	7X7	2.65	25A6	3.20	89	2.20
1LG5	2.65	6B4G	3.20	6SC7	2.00	7Y4	1.80	25AC5GT	2.90	117L7/M7GT	3.90
1LH4	2.65	6B5	3.20	6SF5	1.65	7Z4	1.80	25L6	3.20	117N7GT	3.90
1LN5	2.65	6B6G	2.20	6SF5GT	1.80	10	3.90	25L6GT	1.65	117P7GT	3.90
1NSGT	2.00	6B7	3.20	6SF7	2.00	12A6	2.40	25Z5	1.50	117Z3	1.50
1P5GT	2.65	6B8	3.20	6SG7	2.00	12A7	3.20	25Z6	2.20	117Z4GT	2.90
1Q5GT	2.65	6B8G	3.20	6SH7	2.20	12A8GT	2.00	25Z6GT	1.35	117Z6GT	2.40
1R5	2.00	6BA6	1.80	6SJ7	1.65	12AH7GT	2.65	26	1.80	XXD	use 14AF7
1S4	2.40	6BA7	2.40	6SJ7GT	1.65	12AL5	2.00	27	1.50	XXFM	use 7X7
1S5	1.80	6BE6	1.80	6SK7	1.65	12AT6	1.50	30	2.00	XXL	use 7A4
1T4	2.00	6BF6	1.65	6SK7GT	1.65	12AT7	2.90	31	2.65		
1T5GT	2.65	6BG6G	4.80	6SL7GT	2.40	12AU6	2.00	32	3.55		
1U4	2.00	6BH6	2.00	6SN7GT	2.20	12AU7	2.40	32L7GT	3.20		
1U5	1.80	6BJ6	2.00	6SQ7	1.50	12AV6	1.50	33	3.20		
1V	2.20	6C4	1.65	6SQ7GT	1.50	12AW6	2.65	34	3.20		
2A3	3.20	6C5	1.65	6SR7	1.80	12AX7	2.40	35	2.00		
2A4G	3.20	6CSGT	1.65	6SS7	1.80	12BA6	1.80	35A5	1.80		
2A5	2.20	6C6	2.00	6ST7	2.65	12BA7	2.40	35B5	2.00		
2A6	2.65	6C8G	3.20	6SZ7	2.20	12BE6	1.80	35C5	2.00		
2A7	2.65	6D6	1.65	6T7G	3.20	12C8	3.20	35L6GT	1.65		
2B7	2.65	6D8G	3.20	6T8	2.90	12F5GT	1.80	35W4	1.25		
2E5	2.65	6E5	2.20	6U5/6G5	2.00	12H6	1.80	35Y4	1.80		
2X2A	4.35	6F5	1.65	6U7G	1.80	12J5GT	1.50	35Z3	1.80		

Prices in effect 10/4/48

For the latest Suggested List Prices on RCA Receiving Tubes, ask your RCA Distributor for Form 2F215.

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TELEVISION KINESCOPIES	
RCA Type	Sugg'd List Price
2V3G	\$5.25
3KP4	18.00
5BP4	27.50
5TP4	74.25
6AS7G	6.75
7DP4	29.75
7JP4	27.60
9AP4	72.00
10BP4	44.50
12AP4	82.50



# KEN-RAD

## RADIO TUBES

**metal-glass-miniature**  
**ALL TYPES AND RATINGS**

Ken-Rad's complete line of tubes is widely known and highly regarded by service men and owners of radio sets. Top quality means outstanding performance and long life. With Ken-Rad tubes your radio plays better! . . . Some of the many popular types in the Ken-Rad line are listed below: Ask for complete prices and ratings!

Type	Price	Type	Price	Type	Price
<b>1B3GT</b> .....	<b>\$3.20</b>	<b>6BJ6</b> .....	<b>\$2.00</b>	<b>12AT7</b> .....	<b>\$2.90</b>
<b>1R5</b> .....	<b>2.00</b>	<b>6C4</b> .....	<b>1.65</b>	<b>12A U6</b> .....	<b>2.00</b>
<b>1S5</b> .....	<b>1.80</b>	<b>6H6</b> .....	<b>1.65</b>	<b>12A U7</b> .....	<b>2.40</b>
<b>1T4</b> .....	<b>2.00</b>	<b>6J5</b> .....	<b>1.50</b>	<b>12AV6</b> .....	<b>1.50</b>
<b>1U4</b> .....	<b>2.00</b>	<b>6K6-GT</b> .....	<b>1.50</b>	<b>12A X7</b> .....	<b>2.40</b>
<b>3S4</b> .....	<b>2.00</b>	<b>6L6-G</b> .....	<b>2.90</b>	<b>12BA6</b> .....	<b>1.80</b>
<b>3V4</b> .....	<b>2.00</b>	<b>6SA7</b> .....	<b>1.65</b>	<b>12BE6</b> .....	<b>1.80</b>
<b>5U4-G</b> .....	<b>1.50</b>	<b>6SC7</b> .....	<b>2.00</b>	<b>12SA7</b> .....	<b>1.65</b>
<b>5V4-G</b> .....	<b>2.40</b>	<b>6SG7</b> .....	<b>2.00</b>	<b>12SG7</b> .....	<b>2.00</b>
<b>5Y3-GT</b> .....	<b>1.05</b>	<b>6SJ7</b> .....	<b>1.65</b>	<b>12SK7</b> .....	<b>1.65</b>
<b>6AG5</b> .....	<b>2.65</b>	<b>6SK7</b> .....	<b>1.65</b>	<b>12SQ7</b> .....	<b>1.50</b>
<b>6AL5</b> .....	<b>2.00</b>	<b>6SL7-GT</b> .....	<b>2.40</b>	<b>19T8</b> .....	<b>2.90</b>
<b>6AQ5</b> .....	<b>2.00</b>	<b>6SN7-GT</b> .....	<b>2.20</b>	<b>35B5</b> .....	<b>2.00</b>
<b>6AU6</b> .....	<b>2.00</b>	<b>6SQ7</b> .....	<b>1.50</b>	<b>35L6-GT</b> .....	<b>1.65</b>
<b>6AV6</b> .....	<b>1.50</b>	<b>6T8</b> .....	<b>2.90</b>	<b>35W4</b> .....	<b>1.25</b>
<b>6BA6</b> .....	<b>1.80</b>	<b>6V6-GT</b> .....	<b>2.00</b>	<b>35Z5-GT</b> .....	<b>1.25</b>
<b>6BE6</b> .....	<b>1.80</b>	<b>6X4</b> .....	<b>1.50</b>	<b>50B5</b> .....	<b>2.00</b>
<b>6BG6G</b> .....	<b>4.80</b>	<b>6X5-GT</b> .....	<b>1.50</b>	<b>50L6-GT</b> .....	<b>1.65</b>

Prices and other data subject to change without notice.

Type numbers of metal tubes are shown in bold-face type.

Type numbers of miniature tubes are shown in italics.

THE  
SERVICEMAN'S  
TUBE



THIS TUBE CARTON  
'STANDS FOR  
QUALITY

**KEN-RAD TUBES ARE A PRODUCT OF GENERAL ELECTRIC COMPANY**



# SYLVANIA RADIO RECEIVING TUBES



TYPE	RETAIL PRICE	TYPE	RETAIL PRICE	TYPE	RETAIL PRICE	TYPE	RETAIL PRICE
0Y4	\$4.80	1S6	\$2.20	6AK6	\$2.40	6K7GT	\$1.65
0Z4	1.65	1T4	2.00	6AL5	2.00	6K8	2.40
0Z4G	1.65	1T5GT	2.65	6AL7GT	2.65	6K8GT	2.40
1A1	1.65	1T6	2.20	6AQ5	2.00	6L5G	2.65
1A3	2.20	1U4	2.00	6AQ6	1.80	6L6	3.55
1A4P	3.90	1U5	1.80	6AQ7GT	2.40	6L6G	2.90
1A5GT	1.80	1V	2.20	6AR5	1.65	6L6GA	2.90
1A6	3.20	1V5	2.20	6AS5	2.00	6L7	2.40
1A7GT	2.00	1W4	2.65	6AT6	1.50	6L7G	2.90
1AB5	2.65	1W5	2.20	6AU6	2.00	6N6G	3.90
1AC5	2.20	1X1	1.65	6AV6	1.50	6N7	2.40
1AD5	2.20	1X2	2.65	6B4G	3.20	6N7GT	2.40
1B1	1.65	1Y1	1.65	6B5	3.20	6P5GT	2.40
1B3GT	2.65	1Z1	1.65	6B6G	2.20	6Q7	2.00
1B4P	3.90	2A3	3.20	6B7	3.20	6Q7G	1.80
1B5	3.20	2A5	2.20	6B8	3.20	6Q7GT	1.80
1B7GT	3.20	2A6	2.65	6B8G	3.20	6R7	2.65
1C3	2.65	2A7	2.65	6BA6	1.80	6R7GT	2.65
1C5GT	2.20	2B7	2.65	6BA7	2.40	6S7	2.65
1C6	3.20	2E5	2.65	6BC5	2.65	6S7G	3.20
1C7G	3.20	3A8GT	4.80	6BD5GT	3.20	6S8GT	2.65
1C8	2.20	3B7	2.65	6BD6	2.00	6SA7	1.65
1D5GP	3.90	3C6/XXB	3.20	6BE6	1.80	6SA7GT	1.65
1D7G	3.20	3D6	2.65	6BF6	1.65	6SB7Y	2.40
1D8GT	3.90	3E6	2.65	6BG6G	4.80	6SC7	2.00
1E1	1.65	3LF4	2.65	6BH6	2.00	6SD7GT	2.90
1E5GP	3.90	3Q4	2.20	6BJ6	2.00	6SF5	1.65
1E7GT	3.90	3Q5GT	2.40	6BK6	1.50	6SF5GT	1.80
1E8	2.20	3S4	2.00	6BQ6GT	3.20	6SF7	2.00
1F1	1.65	3V4	2.00	6BT6	1.50	6SG7	2.00
1F4	2.65	5AZ4	1.35	6BU6	1.65	6SH7	2.20
1F5G	2.65	5T4	3.90	6C4	1.65	6SH7GT	2.20
1G4GT	2.65	5U4G	1.50	6C5	1.65	6SJ7	1.65
1G5G	2.65	5V4G	2.40	6C5GT	1.65	6SJ7GT	1.65
1G6GT	2.65	5W4	2.65	6C6	2.00	6SK7	1.65
1H4G	2.20	5W4GT	1.65	6C8G	3.20	6SK7GT	1.65
1H5GT	1.65	5X4G	1.80	6D6	1.65	6SL7GT	2.40
1H6GT	3.20	5Y3G	1.05	6D8G	3.20	6SN7GT	2.20
1J6GT	3.20	5Y3GT	1.05	6E5	2.20	6SQ7	1.50
1K1	1.65	5Y4G	1.50	6F5	1.65	6SQ7GT	1.50
1L4	2.00	5Z3	1.80	6F5GT	1.65	6SR7	1.80
1L6	2.65	5Z4	2.65	6F6	2.00	6SR7GT	1.80
1LA4	2.65	6A3	3.20	6F6G	1.65	6SS7	1.80
1LA6	2.65	6A4	3.20	6F6GT	1.65	6ST7	2.65
1LB4	2.65	6A5G	3.90	6F7	3.20	6SV7	2.90
1LC5	2.65	6A6	2.65	6F8G	3.20	6T7G	3.20
1LC6	2.65	6A7	2.00	6G6G	2.65	6T8	2.90
1LD5	2.65	6A8	2.00	6H6	1.65	6U5	2.00
1LE3	2.65	6A8G	2.00	6H6GT	1.65	6U6GT	2.00
1LG5	2.65	6A8GT	2.00	6J5	1.50	6U7G	1.80
1LH4	2.65	6AB5	2.65	6J5GT	1.50	6V6	3.20
1LN5	2.65	6AB7	3.20	6J6	2.90	6V6GT	2.00
1N5GT	2.00	6AC5GT	2.90	6J7	2.00	6W4GT	1.80
1P5GT	2.65	6AC7	2.90	6J7G	2.00	6W7G	2.65
1Q5GT	2.65	6AD7G	3.20	6J7GT	2.00	6X4	1.50
1Q6	2.20	6AF6G	2.65	6J8G	3.20	6X5GT	1.50
1R4	2.20	6AG5	2.65	6K5GT	2.40	6Y6G	2.40
1R5	2.00	6AG7	3.20	6K6GT	1.50	6Z7G	3.90
1S4	2.40	6AH6	3.90	6K7	1.65	6ZY5G	2.20
1S5	1.80	6AK5	3.90	6K7G	1.65	7A4	1.80

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# SYLVANIA RADIO RECEIVING TUBES

TYPE	RETAIL PRICE	TYPE	RETAIL PRICE	TYPE	RETAIL PRICE	TYPE	RETAIL PRICE
7A4/XXL	\$1.80	12BT6	\$1.50	25A7GT	\$5.50	77	\$1.65
7A5	1.80	12BU6	1.50	25AC5GT	2.90	78	1.65
7A6	1.80	12C8	3.20	25C6G	2.90	79	2.65
7A7	1.80	12F5GT	1.80	25L6	3.20	80	1.15
7A8	1.80	12H6	1.80	25L6GT	1.65	81	3.90
7AD7	2.65	12J5GT	1.50	25W4GT	2.00	82	2.65
7AF7	1.80	12J7GT	2.00	25Y5	2.90	83	2.65
7AG7	2.20	12K7G	2.00	25Z5	1.50	83V	3.20
7AH7	2.20	12K7GT	1.65	25Z6	2.20	84/6Z4	1.80
7AJ7	1.80	12K8	2.40	25Z6GT	1.35	85	2.20
7B4	1.80	12K8GT	2.40	26	1.80	89	2.20
7B5	1.80	12Q7GT	1.80	26BK6	1.65	99	3.20
7B6	1.80	12S8GT	2.65	27	1.50	V99	3.20
7B7	1.80	12SA7	1.65	30	2.00	100-70	2.00
7B8	1.80	12SA7GT	1.65	31	2.65	100-77	2.00
7C4	2.65	12SC7	2.20	32	3.55	100-79	2.00
7C5	1.80	12SF5	1.80	32L7GT	3.20	117L7GT	3.90
7C6	1.80	12SF5GT	2.00	33	3.20	117N7GT	3.90
7C7	1.80	12SF7	2.00	34	3.20	117P7GT	3.90
7E5	2.65	12SG7	2.00	35/51	2.00	117Z3	1.50
7E6	1.80	12SH7	2.20	35A5	1.80	117Z4GT	2.90
7E7	2.20	12SJ7	1.65	35B5	2.00	117Z6GT	2.40
7F7	2.20	12SJ7GT	1.65	35C5	2.00	FM-1000	3.20
7F8	2.65	12SK7	1.65	35L6GT	1.65	1273	2.40
7G7	2.65	12SK7GT	1.65	35W4	1.25	1280	2.40
7H7	2.00	12SL7GT	2.40	35Y4	1.80	XXB (3C6/XXB)	3.20
7J7	2.65	12SN7GT	2.20	35Z3	1.80	XXD (14AF7)	2.20
7K7	2.65	12SQ7	1.50	35Z4GT	1.50	XXFM (7X7)	2.65
7L7	2.20	12SQ7GT	1.50	35Z5GT	1.25	XXL (7A4/XXL)	1.80
7N7	2.20	12SR7	2.20	36	2.65		
7Q7	1.80	12SR7GT	2.20	37	1.80		
7R7	2.20	12Z3	2.65	38	2.20		
7S7	2.65	14A4	2.65	39/44	2.65		
7V7	2.65	14A5	3.90	41	1.65		
7W7	2.65	14A7	2.20	42	1.65		
7X6	2.20	14AF7	2.20	43	1.65		
7X7	2.65	14B6	2.20	45	1.65		
7Y4	1.80	14B8	2.20	45Z5GT	1.80		
7Z4	1.80	14C5	2.20	46	2.65		
10	3.90	14C7	2.20	47	2.40		
12A6	2.90	14E6	1.80	49	2.65		
12A6GT	2.90	14E7	2.20	50	3.90		
12A7	3.20	14F7	2.20	50A5	2.20		
12A8G	2.00	14F8	2.65	50B5	2.00		
12A8GT	2.00	14H7	2.20	50C5	2.00		
12AH7GT	2.65	14J7	2.65	50C6G	2.90		
12AL5	2.00	14N7	2.65	50L6GT	1.65		
12AT6	1.50	14Q7	2.20	50X6	2.20		
12AT7	2.90	14R7	2.20	50Y6GT	1.80		
12AU6	2.00	14S7	2.65	50Y7GT	2.00		
12AU7	2.40	14W7	2.65	53	2.65		
12AV6	1.50	14X7	2.65	55	2.20		
12AW6	2.65	14Y4	2.20	56	1.80		
12AX7	2.40	19	3.20	57	2.00		
12AY7	6.00	19BG6G	6.00	58	2.00		
12BA6	1.80	19J6	3.20	59	3.55		
12BA7	2.40	19T8	2.90	70L7GT	3.90		
12BD6	2.00	22	3.20	71A	2.00		
12BE6	1.80	24A	2.20	75	1.65		
12BK6	1.50	25A6G	2.65	76	1.65		

Sylvania products  
are guaranteed  
against defects in  
workmanship  
and materials.

RADIO TUBE DIVISION, EMPORIUM, PA.



# SYLVANIA NON-RECEIVING TUBES

TYPE

SUGGESTED RESALE PRICE

TYPE

SUGGESTED RESALE PRICE

## TELEVISION PICTURE TUBES

5BP4 .....	\$27.00	10HP4 .....	\$48.50
7GP4 .....	22.08	12KP4 .....	34.40
7JP4 .....	16.88	12LP4 .....	32.30
10BP4 .....	26.00	16AP4 .....	55.88
10FP4 .....	28.15		

## GENERAL PURPOSE CATHODE RAY TUBES

2AP1A .....	10.55	5CP1 .....	23.25
3AP1 .....	14.25	5CP1A .....	23.25
3BP1 .....	16.50	5CP7A .....	27.25
3BP1A .....	16.50	5FP7 .....	37.50
3JP12 .....	30.00	5HP1 .....	23.50
5AP1 .....	23.50	5NP1 .....	24.00
5BP1 .....	22.50	7GP1 .....	22.08
5BP1A .....	22.50	7JP1 .....	22.08

## TRANSMITTING TUBES

2E22 .....	6.00	812A .....	4.85
2E24 .....	5.10	813 .....	16.00
2E26 .....	3.85	815 .....	6.90
2E30 .....	2.45	816 .....	1.30
3D24 .....	12.50	829B .....	16.25
801A .....	3.75	837 .....	4.75
804 .....	17.50	841 .....	4.35
805 .....	13.50	866A .....	1.95
807 .....	2.50	872A .....	8.20
808 .....	10.75	1616 .....	8.65
809 .....	4.00	1625 .....	2.65
810 .....	14.50	1626 .....	1.85
811A .....	4.05		

## SPECIAL PURPOSE TUBES

OA2 .....	2.20	7AK7 .....	5.25
OA3 .....	1.35	7G8 .....	1.85
OA4G .....	1.35	26C6 .....	1.85
OB2 .....	2.30	26D6 .....	2.00
OB3 .....	1.35	28D7 .....	1.80
OC3 .....	1.35	28D7W .....	6.40
OD3 .....	1.35	EF50 .....	1.95
OZ4A .....	1.20	864 .....	1.75
2A4G .....	1.60	884 .....	1.85
2C4 .....	2.85	1229 .....	4.25
2D21 .....	2.00	1247 .....	3.00
2V3G .....	3.15	1629 .....	1.40
2X2A .....	2.05	2050 .....	1.85
3A4 .....	1.20	2051 .....	1.90
3A5 .....	1.95	5634 .....	7.70
5R4GY .....	1.50	5637 .....	4.85
5U4WG .....	6.40	5638 .....	4.85
6AD4 .....	2.20	5646 .....	7.70
6AJ5 .....	3.50	5647 .....	7.70
6AN6 .....	3.50	5679 .....	1.15
6AS7G .....	4.53	5691 .....	7.75
6BA5 .....	2.85	5692 .....	7.75
6D4 .....	2.85	5693 .....	6.40
6J4 .....	8.05	5722 .....	6.40
6K4 .....	2.85	5845 .....	5.25
6K4A .....	4.85	9001 .....	3.10
6L6GA/Y .....	3.10	9002 .....	2.50
6L6WGA .....	6.40	9003 .....	3.10
6SLWGT .....	2.85	X6030 .....	3.50
6SN7WGT .....	2.85		



SYLVANIA ELECTRIC PRODUCTS INC.  
RADIO TUBE DIVISION  
EMPORIUM, PA.





SUGGESTED  
TYPE DESCRIPTION RESALE PRICE

### FLASH TUBES

R-4330 100 watt second Elec-  
troflash Tube \$15.00\*  
R-4340 500 watt second Elec-  
troflash Tube 45.00\*

### GAS PRESSURE MEASURING TUBES

R1111 Pirani Tube 5.00  
R1111M Matched Pairs  
R1111 11.85

### GERMANIUM CRYSTAL DIODES

1N34 General Purpose Diode .85  
1N34A General Purpose Diode  
(Sealed in Glass) .85  
1N35 Twin Matched Diode 2.05  
1N38 100-V Back Voltage 2.05  
1N39 200-V Back Voltage 11.25  
1N40 Varistor—Plug In 10.60  
1N41 Varistor—Lug type 11.25  
1N42 Varistor—Matched  
1N38's 18.75  
1N54 High Resistance  
Diode 1.25  
1N55 150-V Diode 6.25  
1N56 High Conduction  
Diode 1.25  
1N57 80-V Diode 1.25  
1N58 100-V Diode 2.05  
1N58A 100-V Diode  
(Sealed in Glass) 2.05  
1N60 High Efficiency Diode .65

SUGGESTED  
TYPE DESCRIPTION RESALE PRICE

### GLOW MODULATOR TUBES

R1130B .055" Crater—  
(1B59) \$14.35  
R1131A .093" Crater 14.35

### HYDROGEN THYRATRON'S

4C35 8KV, 90amp peak 25.00  
5C22 15KV, 325 amp peak 47.50

### SELENIUM RECTIFIERS

NB-5 75 ma Rectifier .78  
NC-5 100 ma Rectifier .96  
ND-5 150 ma Rectifier 1.17  
NE-5 200 ma Rectifier 1.35  
NF-5 250 ma Rectifier 1.50  
NH-5 400 ma Rectifier 2.13  
NJ-5 500 ma Rectifier 2.28

### SILICON CRYSTAL DIODES

1N21 3000 mc Converter 2.80  
1N21A 3000 mc Converter 4.35  
1N21B 3000 mc Converter 5.00  
1N21C 3000 mc Converter  
37.50  
1N22 3000-10,000 mc—  
Instrument Rectifier 3.10  
1N23 10,000 mc Converter  
4.70  
1N23A 10,000 mc Converter  
5.60  
1N23B 10,000 mc Converter  
7.00  
1N25 1000 mc High Burn-  
out Mixer 7.50

SUGGESTED  
TYPE DESCRIPTION RESALE PRICE

1N26 24,000 mc Converter \$8.10  
1N27 Obsolete—Use 1N32  
1N29 Obsolete—Use 1N21B  
1N30 Obsolete—Use 1N31  
1N31 10,000 mc Video  
Detector 8.10  
1N32 3000 mc Video  
Detector 25.00  
1N53 34,000 mc Converter 37.50

### STROBOTRONS

1D21/SN4 240 PPS V Neon  
Duo Grid 4.70  
R-4350 Polychromatic  
Strobotron 12.00  
SA-309 Small Poly-  
chromatic Strobotron 2.95

### MISCELLANEOUS

OA5 Trigger Tube (Cold  
Cathode) 4.40  
X-6090 Ionization Tube 2.00  
SS501 1500-volt U-Dis-  
charge 13.10  
1237 Full Wave Argon  
Rectifier 4.25  
SD759A Ramberg  
Accelerometer Tube 37.50

\*Includes Federal Excise Tax

## SYLVANIA PANEL LAMPS — Radio Tube Division, Emporium, Pa.

Especially designed for radio dials, tuning meters,  
flash-tuning arrangements, flashlights, auto panels,  
pin ball machines.

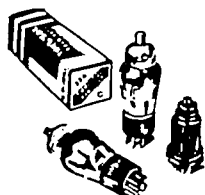
\*Types S47 and S49 are interchangeable with  
Types S40A and S49A in any other brand.

### PRICE SCHEDULE

Net Price Per Carton of 10 Lamps Excluding Excise Tax

TYPE	VOLTS	AMPERE	BULB	BASE	BEAD	40% OFF LIST	40-10% OFF LIST	50% OFF LIST
						10-40 Lamps	50-190 Lamps	200 Lamps or More
S40	6-8	0.15	T-3¼	Screw	Brown	\$.60	\$.540	\$.50
S41	2.5	0.50	T-3¼	Screw	White	.60	.540	.50
S42	3.2	0.35	T-3¼	Screw	Green	.72	.648	.60
S43	2.5	0.50	T-3¼	Bayonet	White	.60	.540	.50
S44	6-8	0.25	T-3¼	Bayonet	Blue	.60	.540	.50
S45	3.2	0.35	T-3¼	Bayonet	White	.72	.648	.60
S46	6-8	0.25	T-3¼	Screw	Blue	.60	.540	.50
*S47	6-8	0.15	T-3¼	Bayonet	Brown	.60	.540	.50
S48	2.0	0.06	T-3¼	Screw	Pink	.90	.810	.75
*S49	2.0	0.06	T-3¼	Bayonet	Pink	.90	.810	.75
S50	6-8	0.20	G-3½	Screw	White	.60	.540	.50
S51	6-8	0.20	G-3½	Bayonet	White	.48	.432	.40
S55	6-8	0.40	G-4½	Bayonet	White	.48	.432	.40
S291	2.9	0.17	T-3¼	Bayonet	White	.78	.702	.65
S292	2.9	0.17	T-3¼	Screw	White	.78	.702	.65
S1455	18.0	0.25	G-5	Screw	Brown	.72	.648	.60
S1456	18.0	0.25	G-5	Bayonet	Brown	.72	.648	.60

# SYLVANIA ELECTRIC



# TUNG-SOL

## RADIO TUBES

**EFFECTIVE NOVEMBER 26, 1948**

**This Price List Is Supplied For Your Convenience By The Tung-Sol Lamp Works Inc.**

All prices are subject to change without notice. The listing of price for any tubes does not necessarily indicate availability.

Type	Sugg'd Retail Price	Type	Sugg'd Retail Price	Type	Sugg'd Retail Price	Type	Sugg'd Retail Price
0Y4	\$4.80	2A7	\$2.65	6B8G	\$3.20	6SB7Y	\$2.40
0Z4 Met.	2.20	2B7	2.65	6BA6 Min.	1.80	6SC7 Met.	2.00
0Z4G	2.20	2E5	2.65	6BA7 Min.	2.40	6SC7GT	2.00
01A	1.25	3A8GT	4.80	6BD6 Min.	2.00	6SD7GT	2.90
1A3	2.20	3B7/1291 Loc.	2.65	6BE6 Min.	1.80	6SF5 Met.	1.65
1A4P	3.90	3C6/XXB Loc.	3.20	6BF6 Min.	1.65	6SF5GT	1.65
1A5GT	1.80	3D6/1299 Loc.	2.65	6BG6G	4.80	6SF7 Met.	2.00
1A6	3.20	3E6 Loc.	2.65	6BH6 Min.	2.00	6SF7GT	1.80
1A7GT	2.00	3FJ4 Loc.	2.65	6BJ6 Min.	2.00	6SG7 Met.	2.00
1AB6 Loc.	2.65	3Q4 Min.	2.20	6C4 Min.	1.65	6SG7GT	2.20
1B3GT	3.20	3Q5GT	2.40	6C5 Met.	1.65	6SH7 Met.	2.20
1B4P (1B4/951)	3.90	3S4 Min.	2.00	6C5GT	1.65	6SH7GT	2.20
1B6/26S	3.20	3V4 Min.	2.00	6C6	2.00	6SJ7 Met.	1.65
1B7GT	3.20	5A24 Loc.	1.35	6C7	3.20	6SJ7GT	1.65
1C6GT	2.20	5T4	3.90	6C8G	3.20	6SK7 Met.	1.65
1C6	3.20	5U4G	1.50	6D5G	2.20	6SK7GT	1.65
1C7G	3.20	5V4G	2.40	6D6	1.65	6SL7GT	2.40
1C8	2.20	5W4 Met.	2.65	6D8G	3.20	6SN7GT	2.20
1D6GP	3.90	5W4GT	1.65	6E5	2.20	6SQ7 Met.	1.50
1D7G	3.20	5X4G	1.80	6F5 Met.	1.65	6SQ7GT	1.50
1D8GT	3.90	5Y3G	1.05	6F5GT	1.65	6SR7 Met.	1.80
1E5GP	3.90	5Y3GT	1.05	6F6 Met.	2.00	6SR7GT	1.80
1E7GT	3.90	5Y4G	1.50	6F6G	1.65	6SS7 Met.	1.80
1F4	2.65	5Z3	1.80	6F6GT	1.65	6ST7 Met.	2.65
1F6G	2.65	5Z4 Met.	2.65	6F7	3.20	6SV7 Met.	2.90
1F6	3.90	6A3	3.20	6F8G	3.20	6SZ7 Met.	2.20
1F7G	3.90	6A4 (LA)	3.20	6G0G	2.65	6T5	3.20
1G4GT	2.65	6A5G	3.90	6H4GT	2.65	6T7G (6Q0G)	3.20
1G5G	2.65	6A6	2.65	6H6 Met.	1.65	6T8 Min.	2.90
1G6GT	2.65	6A7	2.00	6H6GT	1.65	6U5/6G5	2.00
1H4G	2.20	6A8 Met.	2.00	6J5 Met.	1.50	6U6GT	2.00
1H5GT	1.65	6A8G	2.00	6J5GT	1.50	6U7G	1.80
1H6G	3.20	6A8GT	2.00	6J6 Min.	2.90	6V6 Met.	3.20
1J5G	2.65	6AB5/6N5	2.65	6J7 Met.	2.00	6V6GT	2.00
1J6GT	3.20	6AB6G	3.20	6J7GT	2.00	6V7 Met.	3.20
1L4 Min.	2.00	6AB7/1853 Met.	3.20	6J8G	3.20	6V7G	1.80
1LA4 Loc.	2.65	6AC5GT	2.90	6K5G	1.50	6W4GT	2.40
1LA6 Loc.	2.65	6AC6GT	1.50	6K5GT	2.40	6W7G	2.65
1LB4 Loc.	2.65	6AD7/1852	2.90	6K6G	1.50	6X4 Min.	1.50
1LC5 Loc.	2.65	6ADG	2.20	6K6GT	1.50	6X5 Met.	2.65
1LC5 Loc.	2.65	6AD7G	3.20	6K7 Met.	1.65	6X5GT	1.50
1LD5 Loc.	2.65	6AE6G	1.80	6K7G	1.65	6Y8G	3.90
1LE3 Loc.	2.65	6AE7GT	1.80	6K7GT	1.65	6Y8G	2.40
1LE5 Loc.	2.65	6AF5G	1.80	6K8G	2.90	6Y7G	2.20
1LH4 Loc.	2.65	6AF6G	2.65	6K8GT	2.40	6Z5/12Z5	3.20
1LN5 Loc.	2.65	6AG5 Min.	2.65	6L5G	2.65	6Z7G	3.90
1NSGT	2.00	6AG7 Met.	3.20	6L6 Met.	3.55	6ZY5G	2.20
1N6G	1.80	6AH6 Min.	3.90	6L6G	2.90	7A4XL Loc.	1.80
1P5GT	2.65	6AH7GT	2.20	6L6GA	2.90	7A5 Loc.	1.80
1Q5GT	2.65	6AK5 Min.	3.90	6L7 Met.	2.40	7A6 Loc.	1.80
1Q6	2.20	6AK6 Min.	2.40	6L7G	2.90	7A7 Loc.	1.80
1R5 Min.	2.00	6AL5 Min.	2.00	6N6G	3.90	7A8 Loc.	1.80
1S4 Min.	2.40	6AL7GT	2.65	6N7 Met.	2.40	7AD7 Loc.	2.65
1S5 Min.	1.80	6AQ5 Min.	2.00	6N7GT	2.40	7AF7 Loc.	1.80
1T4 Min.	2.00	6AQ6 Min.	1.80	6P5GT	2.40	7AG7 Loc.	2.20
1T5GT	2.65	6AQ7GT	2.20	6P7G	3.20	7AH7 Loc.	2.20
1U4 Min.	2.00	6AR5	1.65	6Q7 Met.	2.00	7B4 Loc.	1.80
1U5 Min.	1.80	6AT6 Min.	1.50	6Q7GT	1.80	7B5 Loc.	1.80
1V	2.20	6AU6 Min.	1.80	6R6G	3.90	7B6 Loc.	1.80
1V6 Min.	2.20	6AV6 Min.	1.50	6R7 Met.	2.65	7B7 Loc.	1.80
1W5 Min.	2.20	6B4G	3.20	6R7GT	2.65	7B8 Loc.	1.80
2A3	3.20	6B5	3.20	6S7 Met.	2.65	7C4/1203 Loc.	2.65
2A4G	3.20	6B6G	2.20	6S8GT	2.65	7C5 Loc.	1.80
2A5	2.20	6B7	3.20	6SA7 Met.	1.65	7C6 Loc.	1.80
2A6	2.65	6B8 Met.	3.20	6SA7GT	1.65	7C7 Loc.	1.80

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Bold Face Type — represent 86.5% of Demand

# TUNG-SOL RADIO TUBES (con.)

Type	Sugg'd Retail Price	Type	Sugg'd Retail Price	Type	Sugg'd Retail Price	Type	Sugg'd Retail Price
7E5/1201 Loc.	\$2.65	12SH7GT	\$2.20	35/51	\$2.00	117L7/M7GT	\$3.90
7E6 Loc.	1.80	12SJ7 Met.	1.65	35A5 Loc.	1.80	117N7GT	3.90
7E7 Loc.	2.20	12SJ7GT	1.65	35B5 Min.	2.00	117P7GT	3.90
7F7 Loc.	2.20	12SK7 Met.	1.65	35C5 Min.	2.00	117Z3 Min.	1.50
7F8 Loc.	2.65	12SK7GT	1.65	35L6GT	1.65	117Z4GT	2.90
7G7/1232 Loc.	2.65	12SL7GT	2.40	35W4 Min.	1.25	117Z6GT	2.40
7H6 Loc.	2.00	12SN7GT	2.20	35Y4 Loc.	1.80	483/183	2.65
7J7 Loc.	2.65	12SQ7 Met.	1.50	35Z3 Loc.	1.80	485	2.65
7K7 Loc.	2.65	12SQ7GT	1.50	35Z4GT	1.50	FM1000	3.20
7L7 Loc.	2.20	12SR7 Met.	2.20	35Z5GT	1.25	XXB/3C6	3.20
7N7 Loc.	2.20	12SR7GT	2.20	35Z6GT	1.80	XXD/14AF7	2.20
7Q7 Loc.	1.80	12Z3	2.65	35Z6GT	1.80	XXFM/7X7	2.65
7R7 Loc.	2.20	12Z5/6Z5	3.20	36	2.65	XXL/7A4	1.80
7S7 Loc.	2.65	14A4 Loc.	2.65	37	1.80		
7V7 Loc.	2.65	14A5 Loc.	3.90	38	2.20		
7W7 Loc.	2.65	14A7/12B7 Loc.	2.20	39/44	2.65		
7X7 Loc. (XXFM)	2.65	14AF7 Loc. (XXD)	2.20	41	1.65		
7Y4 Loc.	1.80	14B6 Loc.	2.20	42	1.65		
7Z4 Loc.	1.80	14B8 Loc.	2.20	43	1.65		
10	3.90	14C5 Loc.	2.20	45	1.65		
12A5	3.20	14C7 Loc.	2.20	45Z3 Min.	1.80		
12A6 Met.	2.65	14E6 Loc.	1.80	45Z5GT (40Z5GT)	1.80		
12A6GT	2.65	14E7 Loc.	2.20	46	2.65		
12A7	3.20	14F7 Loc.	2.20	47	2.40		
12A8GT	2.00	14F8 Loc.	2.65	48	3.90		
12AH6GT	2.20	14H7 Loc.	2.20	49	2.65		
12AH7GT	2.65	14J7 Loc.	2.65	50	3.90		
12AL5 Min.	2.00	14N7 Loc.	2.65	50A5 Loc.	2.20		
12AT6 Min.	1.50	14Q7 Loc.	2.20	50B5 Min.	2.00		
12AT7 Min.	2.90	14R7 Loc.	2.20	50C5 Min.	2.00		
12AU6 Min.	2.00	14S7 Loc.	2.65	50C6G	2.90		
12AU7 Min.	2.40	14W7 Loc.	2.65	50L6GT	1.65		
12AV6 Min.	1.50	14Y4 Loc.	2.20	50X6 Loc.	2.20		
12AX7 Min.	2.40	15	3.20	50Y6GT	1.80		
12AW6 Min.	2.65	19	3.20	50Z7G	1.80		
12BA6 Min.	1.80	19T8 Min.	2.90	52	3.90		
12BA7 Min.	2.40	22	3.20	53	2.65		
12BD6 Min.	2.00	24A	2.20	55	2.20		
12BE6 Min.	1.80	25A6 Met.	3.20	56	1.80		
12BF6 Min.	1.50	25A6G	2.65	57	2.00		
12CS Met.	3.20	25A6GT	2.65	58	2.00		
12E5GT	2.20	25AC5GT	2.90	59	3.55		
12F5GT	1.80	25B5	3.20	70A7GT	3.90		
12H6 Met.	1.80	25B6G	4.80	70L7GT	3.90		
12J5GT	1.50	25C6G	2.90	71A	2.00		
12J7GT	2.00	25L6 Met.	3.20	75	1.65		
12K7GT	1.65	25L6GT	1.65	76	1.65		
12K8 Met.	2.40	25N6G	3.90	77	1.65		
12K8GT	2.40	25Y5	2.90	78	1.65		
12Q7GT	1.80	25Z5	1.50	79	2.65		
12S8GT	2.65	25Z6 Met.	2.20	80	1.15		
12SA7 Met.	1.65	25Z6GT	1.35	81	3.90		
12SA7GT	1.65	26	1.80	82	2.65		
12SC7 Met.	2.20	27	1.50	83	2.65		
12SF5 Met.	1.80	30	2.00	83V	3.20		
12SF5GT	2.00	31	2.65	84/6Z4	1.80		
12SF7	2.00	32	3.55	85	2.20		
12SF7GT	2.00	32L7GT	3.20	89	2.20		
12SG7 Met.	2.00	33	3.20	99V	3.90		
12SH7 Met.	2.20	34	3.20	99X	3.90		

Bold Face Type — represent 86.5% of Demand

## SPECIAL PURPOSE TUBES

0B3	\$1.35
0C3	1.35
0D3	1.35
2E22	6.00
2X2A	4.35
3A4	1.20
3A5	1.95
5R4GY	1.50
5X3	3.50
6AJ5	3.50
6AN6	3.50
6AR6	5.75
6SU7GT	4.25
703A	20.00
708A	30.00
954	5.65
955	3.60
956	6.30
1603	7.40
1625	2.65
1626	1.85
1629	1.40
25A7GT	3.50
5687	7.25
9002	2.50
9003	3.10
9006	1.60

## Ballast and Resistor Types

1A1	\$1.65
1B1	1.65
1D1	1.65
1E1	1.65
1F1	1.65
1K1	1.65
1R1G	1.50
1T1	1.50
1X1	1.65
1Y1	1.65
1Z1	1.65
46A1	1.80
46B1	1.80
100-70	2.00
100-77	2.00
100-79	2.00

# TUNG-SOL RADIO DIAL LAMPS

Tung-Sol Lamp No.	Bulb Type	Base	Bead Color	Volts	Amperes	List Price
40	T-3 1/4	Miniature Screw	Brown	6-8	.15	\$0.10
41	T-3 1/4	Miniature Screw	White	2.5	.50	.10
42	T-3 1/4	Miniature Screw	Green	3.2	.50	.12
43	T-3 1/4	Miniature Bayonet	White	2.5	.50	.10
44	T-3 1/4	Miniature Bayonet	Blue	6-8	.25	.10
45	T-3 1/4	Miniature Bayonet	Green	3.2	.50	.12
46	T-3 1/4	Miniature Screw	Blue	6-8	.25	.10
47	T-3 1/4	Miniature Bayonet	Brown	6-8	.15	.10
48	T-3 1/4	Miniature Screw	Pink	2.0	.06	.15
49	T-3 1/4	Miniature Bayonet	Pink	2.0	.06	.15
50	G-3 1/2	Miniature Screw	White	6-8	.20	.10
51	G-3 1/2	Miniature Bayonet	White	6-8	.20	.09
55	G-4 1/2	Miniature Bayonet	White	6-8	.40	.09
291	T-3 1/4	Miniature Bayonet	White	2.9	.17	.13
292	T-3 1/4	Miniature Screw	White	2.9	.17	.13
416	G-4 1/2	Miniature Bayonet	Black	3.3	.60	.37
1490	T-3 1/4	Miniature Bayonet	White	3.2	.16	.11

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE



# RADIO RECEIVING TUBES

ELECTRONIC AND RADIO TUBES

Price List

SUGGESTED LIST PRICES EFFECTIVE FEBRUARY 1, 1949

TYPE	PRICE	TYPE	PRICE	TYPE	PRICE	TYPE	PRICE	TYPE	PRICE	TYPE	PRICE	TYPE	PRICE
00A .....	\$3.20	2E35 .....	\$3.20	6BD6 .....	\$2.00	6SD7GT .....	\$2.90	7N7 .....	\$2.20	14B8 .....	\$2.20	42 .....	\$1.65
01A .....	1.50	2E36 .....	3.20	6BE6 .....	1.80	6SF5 .....	1.65	7Q7 .....	1.80	14C5 .....	2.20	43 .....	1.65
0Y4 .....	4.80	2E41 .....	2.65	6BF6 .....	1.65	6SF5GT .....	1.80	7R7 .....	2.20	14C7 .....	2.20	45 .....	1.65
0Z4 .....	1.65	2E42 .....	2.65	6BG6G .....	4.80	6SF7 .....	2.00	7S7 .....	2.65	14E6 .....	1.80	45Z3 .....	1.80
0Z4G .....	1.65	2G21 .....	2.65	6BH6 .....	2.00	6SG7 .....	2.00	7V7 .....	2.65	14E7 .....	2.20	45Z5GT .....	1.80
1A3 .....	2.20	2G22 .....	2.65	6BJ6 .....	2.00	6SH7 .....	2.20	7W7 .....	2.65	14F7 .....	2.20	46 .....	2.65
1A4P .....	3.90	2Z2/G84 .....	3.20	6C4 .....	1.65	6SH7GT .....	2.20	7X7/XXFM .....	2.65	14F8 .....	2.65	47 .....	2.40
1A5GT .....	1.80	3A8GT .....	4.80	6C5 .....	1.65	6SJ7 .....	1.65	7Y4 .....	1.80	14H7 .....	2.65	48 .....	4.80
1A6 .....	3.20	3B7/1291 .....	2.65	6C5GT .....	1.65	6SJ7GT .....	1.65	7Z4 .....	1.80	14J7 .....	2.65	49 .....	2.65
1A7GT .....	2.00	3C6/XXB .....	3.20	6C6 .....	2.00	6SK7 .....	1.65	10 .....	3.90	14N7 .....	2.65	50 .....	3.90
1B3GT/8016 .....	3.20	3D6/1299 .....	2.65	6C8G .....	3.20	18K7GT .....	1.65	12A .....	1.35	14Q7 .....	2.20	50A5 .....	2.20
1B4P .....	3.90	3E6 .....	2.65	6D6 .....	1.65	6SL7GT .....	2.40	12A5 .....	3.20	14R7 .....	2.20	50B5 .....	2.00
1B5/25S .....	3.20	3LF4 .....	2.65	6D8G .....	3.20	6SN7GT .....	2.20	12A6 .....	2.65	14S7 .....	2.65	50C5 .....	2.00
1B7GT .....	3.20	3Q4 .....	2.20	6E5 .....	2.20	6SQ7 .....	1.50	12A6GT .....	2.65	14W7 .....	2.65	50L6GT .....	1.65
1C5GT .....	2.20	3Q5GT .....	2.40	6E6 .....	2.65	6SQ7GT .....	1.50	12A7 .....	3.20	14X7 .....	2.65	50X6 .....	2.20
1C6 .....	3.20	3S4 .....	2.00	6E7 .....	3.90	6SR7 .....	1.80	12A8GT .....	2.00	14Y4 .....	2.20	50Y6GT .....	1.80
1C7G .....	3.20	3V4 .....	2.00	6F5 .....	1.65	6SR7GT .....	1.80	12AH7GT .....	2.65	15 .....	3.20	50Z7G .....	1.80
1D5GP .....	3.90	5A24 .....	1.35	6F5GT .....	1.65	6SS7 .....	1.80	12AL5 .....	2.00	18 .....	2.65	52 .....	3.90
1D7G .....	3.20	5T4 .....	3.90	6F6 .....	2.00	6ST7 .....	2.65	12AT6 .....	1.50	19 .....	3.20	53 .....	2.65
1D8GT .....	3.90	5U4G .....	1.50	6F6G .....	1.65	6SV7 .....	2.90	12AT7 .....	2.65	19T8 .....	2.65	55 .....	2.20
1E5G .....	3.90	5V4G .....	2.40	6F6GT .....	1.65	6SZ7 .....	2.20	12AUG .....	2.00	20 .....	3.90	56 .....	1.80
1E7G-1E7GT .....	3.90	5W4 .....	2.65	6F7 .....	3.20	6T7G/6Q6G .....	3.20	12AU7 .....	2.40	22 .....	3.20	57 .....	2.00
1F4 .....	2.65	5W4GT .....	1.65	6F8G .....	3.20	6T8 .....	2.65	12AV6 .....	1.50	24A .....	2.20	58 .....	2.00
1F5G .....	2.65	5X4G .....	1.80	6G6G .....	2.65	6U5/6G5 .....	2.00	12AW6 .....	2.65	25A6 .....	3.20	59 .....	3.55
1F6 .....	3.90	5Y3GT .....	1.05	6H4GT .....	2.65	6UG6T .....	2.00	12AX7 .....	2.40	25A6G .....	2.65	70A7GT .....	3.90
1F7G .....	3.90	5Y4GT .....	1.50	6H6 .....	1.65	6U7G .....	1.80	12B8GT .....	3.90	25A6GT .....	2.65	70L7GT .....	3.90
1G4GT .....	2.65	5Z3 .....	1.80	6H6GT .....	1.65	6V6 .....	3.20	12BA6 .....	1.80	25A7G .....	4.80	71A .....	2.00
1G5G .....	2.65	5Z4 .....	2.65	6J5 .....	1.50	6V6GT .....	2.00	12BA7 .....	2.40	25AC5G .....	3.90	75 .....	1.65
1G6GT .....	2.65	6A3 .....	3.20	6J5GT .....	1.50	6V7G .....	1.80	12BD6 .....	2.00	25AC5GT .....	2.90	76 .....	1.65
1H4G .....	2.20	6A4/LA .....	3.20	6J6 .....	2.90	6W5G .....	2.65	12BE6 .....	1.80	25B5 .....	3.90	77 .....	1.65
1H5GT .....	1.65	6A5G .....	3.90	6J7 .....	2.00	6W7G .....	2.65	12C8 .....	3.20	25B6G .....	2.65	78 .....	1.65
1H6G .....	3.20	6A6 .....	2.65	6J7G .....	2.00	6X4 .....	1.50	12F5GT .....	1.80	25B8GT .....	3.90	79 .....	2.65
1J5G .....	2.65	6A7 .....	2.00	6J7GT .....	2.00	6X5 .....	2.65	12H6 .....	1.80	25C6G .....	2.90	80 .....	1.15
1J6GT .....	3.20	6A8 .....	2.00	6J8G .....	3.20	6X5GT .....	1.50	12J5GT .....	1.50	25D8 .....	3.90	81 .....	3.90
1L4 .....	2.00	6A8G .....	2.00	6K5GT .....	2.40	6Y6G .....	2.40	12J7GT .....	2.00	25L6 .....	3.20	82 .....	2.65
1LA4 .....	2.65	6A8GT .....	2.00	6K6GT .....	1.50	6Y7G .....	3.20	12K7G .....	2.00	25L6GT .....	1.65	83 .....	2.65
1LA6 .....	2.65	6AB5/6N5 .....	2.65	6K7 .....	1.65	6Z7G .....	3.90	12K7GT .....	1.65	25NGG .....	3.90	83V .....	3.20
1LB4 .....	2.65	6AR7/1853 .....	3.20	6K7G .....	1.65	6ZY5G .....	2.20	12K8 .....	2.40	25V5 .....	2.90	84/GZ4 .....	1.80
1LC5 .....	2.65	6AC5GT .....	2.90	6K7GT .....	1.65	7A4/XXL .....	1.80	12K8GT .....	2.40	25Z5 .....	1.50	85 .....	2.20
1LC6 .....	2.65	6AC7/1852 .....	2.90	6K8 .....	2.40	7A5 .....	1.80	12Q7GT .....	1.80	25Z6 .....	2.20	89 .....	2.20
1LD5 .....	2.65	6AD7G .....	3.20	6K8G .....	2.90	7A6 .....	1.80	12S8GT .....	2.65	25Z6GT .....	1.50	V99 .....	3.90
1LE3 .....	2.65	6AE6G .....	1.80	6K8GT .....	2.40	7A7 .....	1.80	12SA7 .....	1.65	26 .....	1.80	X99 .....	3.90
1LG5 .....	2.65	6AF6G .....	2.65	6L5G .....	2.65	7A8 .....	1.80	12SA7GT .....	1.65	27 .....	1.50	117L/M7GT .....	3.90
1LH4 .....	2.65	6AG5 .....	2.65	6L6 .....	3.55	7AD7 .....	2.65	12SC7 .....	2.20	30 .....	2.00	117N7GT .....	3.90
1LN5 .....	2.65	6AG7 .....	3.20	6L6G .....	2.90	7AF7 .....	1.80	12SF5 .....	1.80	31 .....	2.65	117P7GT .....	3.90
1N5GT .....	2.00	6AH6 .....	3.90	6L6GA .....	2.90	7AG7 .....	2.20	12SF5GT .....	2.00	32 .....	3.20	117Z3 .....	1.50
1P5GT .....	2.65	6AK5 .....	3.90	6L7 .....	2.40	7AH7 .....	2.65	12SF7 .....	2.00	32L7GT .....	3.20	117Z4GT .....	2.90
1Q5GT .....	2.65	6AK6 .....	2.40	6LTG .....	2.90	7B4 .....	1.80	12SG7 .....	2.00	33 .....	3.20	117Z6GT .....	2.40
1R4/1294 .....	2.65	6AL5 .....	2.00	6N6G .....	3.90	7B5 .....	1.80	12SH7 .....	2.20	34 .....	3.20	485 .....	2.65
1R5 .....	2.00	6AL7GT .....	2.65	6N7 .....	2.40	7B6 .....	1.80	12SH7GT .....	2.20	35/51 .....	2.00	950 .....	2.65
1S4 .....	2.40	6AQ5 .....	2.00	6N7G .....	2.40	7B7 .....	1.80	12SJ7 .....	1.65	35A5 .....	1.80	FM1000 .....	3.20
1S5 .....	1.80	6AQ6 .....	1.80	6N7GT .....	2.40	7B8 .....	1.80	12SJ7GT .....	1.65	35B5 .....	2.00	XXB .....	(See 3C6)
1T4 .....	2.00	6AQ7GT .....	2.20	6P5GT .....	2.40	7C4 .....	2.65	12SK7 .....	1.65	35C5 .....	2.00	XXD .....	(See 14AF7)
1T5GT .....	2.65	6AR5 .....	1.80	6P7G .....	3.20	7C5 .....	1.80	12SK7GT .....	1.65	35L6GT .....	1.65	XXFM .....	(See 7X7)
1U4 .....	2.00	6AS5 .....	2.00	6Q7 .....	2.00	7C6 .....	1.80	12SL7GT .....	2.40	35W4 .....	1.25	XXL .....	(See 7A4)
1U5 .....	1.80	6AT6 .....	1.50	6Q7G .....	1.80	7C7 .....	1.80	12SN7GT .....	2.20	35Y4 .....	1.80		
1V .....	2.20	6AU6 .....	2.00	6Q7GT .....	1.80	7E5 .....	2.65	12SQ7 .....	1.50	35Z3 .....	1.80		
2A3 .....	3.20	6AV6 .....	1.50	6R7 .....	2.65	7E6 .....	1.80	12SQ7GT .....	1.50	35Z4GT .....	1.50		
2A4G .....	3.20	6B4G .....	3.20	6R7GT .....	2.65	7E7 .....	2.20	12SR7 .....	2.20	35Z5GT .....	1.25		
2A5 .....	2.20	6B5 .....	3.90	6S7 .....	2.65	7F7 .....	2.20	12SR7GT .....	2.20	35Z6G .....	1.80		
2A6 .....	2.65	6B6G .....	2.20	6S7G .....	3.20	7F8 .....	2.65	12Z3 .....	2.65	36 .....	2.65		
2A7 .....	2.65	6H7 .....	3.20	6S8GT .....	2.65	7G7/1232 .....	2.65	14A4 .....	2.65	37 .....	1.80		
2B7 .....	2.65	6H8 .....	3.20	6SA7 .....	1.65	7H7 .....	2.00	14A5 .....	3.90	38 .....	2.20		
2E5 .....	2.65	6H8G .....	3.20	6SA7GT .....	1.65	7J7 .....	2.65	14A7/12B7 .....	2.20	39/44 .....	2.65		
2E31 .....	2.65	6BA6 .....	1.80	6SB7Y .....	2.40	7K7 .....	2.65	14AF7/XXD .....	2.20	40 .....	2.20		
2E32 .....	2.65	6BA7 .....	2.40	6SC7 .....	2.00	7L7 .....	2.20	14B6 .....	2.20	41 .....	1.65		

Tube prices listed above are for your convenience and do not necessarily indicate type availability.

PRICES SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.

# RAYTHEON

ELECTRONIC AND RADIO TUBES

## TRANSMITTING, RECTIFIER AND KLYSTRON TUBES

### RAYTHEON TRANSMITTING TUBES

Type No.	Construction	Special Applications	Filament			Maximum Voltages				Power-Watts		Suggested User Price
			Volts	Amps	Type	Plate	Grid	Screen	Suppressor	Dissipation	Output	
2C34/RK34	Dual Triode	H-F Oscillator Amp.	6.3	0.8	Heater	300	-36			10*	16*	\$3.50
2E24	Beam Tetrode	VHF Oscillator Amp.	6.3	0.65	Oxide	600	-175	200				5.10
2E26	Beam Tetrode	VHF Oscillator Amp.	6.3	0.8	Cathode	600	-175	200				3.85
RK-4D22	Beam Tetrode	R-F Oscillator Amp.	25.2 12.6	0.8 1.6	Cathode	750	-200	350		50	100	9.75
RK-4D32	Beam Tetrode	R-F Oscillator Amp.	6.3	3.75	Cathode	750	-200	350		50	100	9.75
5D23 RK65	R-F Tetrode	R-F Amplifier	5.0	14.0	Thor.	3000	-250	500			565	37.50
RK-6D22	Tetrode	R-F, A-F Amplifier	5.0	28.5	Thor.	3500	-250	500		450	1000	55.00
RK-38	Triode	R-F, A-F Amplifier	5.0	8.0	Thor.	3000	-200			100	225	13.50
RK-59	Dual Triode	Quick Heating	6.3	1.0	Oxide	500	-60			15*	32*	4.50
RK-75	Pentode	R-F Oscillator Amp.	5.5	1.0	Oxide	500	-100	250				13.00
RK-887	Beam Tetrode	R-F Osc. Amp.	6.3	0.9	Heater	600	-45	250		25	40	2.50
814/RK47	Beam Tetrode	R-F Oscillator Amp.	10.0	3.25	Thor.	1250	-70	300		50	120	14.25
RK-832A	Dual Beam Tet.	R-F Oscillator Amp.	6.3	0.8	Cathode	750	-100	250				11.75
RK-837	R-F Pentode	Suppressor Mod.	12.6	0.7	Heater	500	-75	200	+40	12	22	4.75
RK-1625	Beam Tetrode	R-F Oscillator Amp.	12.6	0.15	Cathode	600	-200	300				2.65
2050	Gas Tetrode	Thyratron	6.3	0.6	Cathode	650	-250	-100				1.85

\*Indicates value for both sections combined.

### RAYTHEON RECTIFIER TUBE

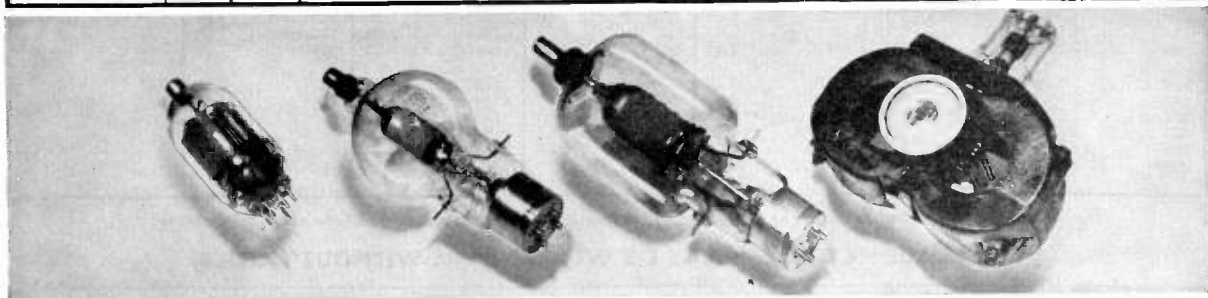
Type No.	Construction	Filament			Max. Peak Inverse Volts	Max. Peak Current	Average Current D.C.	Av. Tube Drop	Max. Height	Base	Suggested User Price
		Volts	Amps	Type							
BH	Full Wave—Gas			Cold Cathode	1,000	400 ma	125 ma	90	4 3/4"	4-Pin	4.75
OZ44/CK1003	Full Wave Gas			Cold Cathode	880	330 ma	100 ma	24	2 1/4"	Octal	1.20
2X2A	Half-Wave—High Vacuum	2.5	1.75	Cathode	12,500	60 ma	7.5 ma		1 1/2"	4-Pin	2.10
RK-3B24	Half Wave—High Vacuum	2.5 5.0	3.0 3.0	Thoriated Thoriated	20,000 20,000	150 ma 300 ma	30 ma 60 ma		4 1/8"	4-Pin	11.75
RK-3B26	Clipper Diode—High Vacuum	2.5	4.75	Cathode	15,000	8 amp	20 ma	130	4 3/4"	Octal	12.50
RK-3B29	Half Wave—High Vacuum	2.5	4.75	Cathode	16,000	250 ma	65 ma	130	5 1/4"	4-Pin	22.65
RK-4B31	Clipper Diode—High Vacuum	5.0	5.25	Cathode	16,000	16 amp	60 ma	150	7"	Jumbo 4-Pin	50.35
5R4GY	Full-Wave—High Vacuum	5	2	Thoriated	2,800	650 ma	250 ma		5 1/8"	Octal	1.50
RK-72	Half Wave—High Vacuum	2.5	3.0	Thoriated	20,000	150 ma	30 ma	200	4 1/8"	4-Pin	11.75
RX-120	Half Wave—Mercury, Argon	2.5	30.0	Cathode	150	120 amp	20 amp	5	8 1/8"	Mogul	17.75
RX-120A	Half Wave—Mercury	2.5	30.0	Cathode	300 750	120 amp 120 amp	20 amp 10 amp	6 6	8 1/8"	Mogul	20.00
RX-212	Half Wave—Mercury	2.5	30.0	Cathode	1,000	120 amp	20 amp	10	12"	Mogul	27.15
RX-215	Full Wave—Mercury	2.5	30.0	Cathode	500	90 amp	15 amp	10	8"	8. Jumbo 4-Pin	24.30
1005/CK1006	Full Wave—Gas	6.3	0.1	Oxide	450	210 ma	70 ma	20	2 1/4"	Octal	3.80
1006/CK1008	Full Wave—Gas	1.75	20.0	*Oxide	1,600	600 ma	200 ma	20	4 1/8"	4-Pin	3.25
CK-1007	Full Wave—Gas	1.0	1.2	*Oxide	980	330 ma	110 ma	24	2 1/4"	Octal	1.25
1641/RK60	Full Wave—High Vacuum	5.0	3	Oxide	4,500 2,500	150 ma 330 ma	50 ma 250 ma	61	5 1/8"	4-Pin	2.75
5517/CK1013	Half Wave—Gas			Cold Cathode	2,800	100 ma	12 ma	100	2 1/4"	Miniature	2.25
CK5785	Half-Wave—High Vacuum	1.25	0.15	Oxide	3,500	450 ma	100 ma	17	1 1/2"	Flex. Leads	2.35

\*May be used as ionie heated cathode rectifier under some conditions

### RAYTHEON REFLEX KLYSTRONS

Type No.	Heater		Class	Range Mc	Maximum Ratings			Typical Operation				Suggested User Price
	Volts	Amps			E <sub>g1</sub> Volts	E <sub>g2</sub> Volts	Rep. Volts	E <sub>g1</sub> Volts	E <sub>g2</sub> Volts	Rep. Volts	P.O. Mw	
(t) RK-2K25/723A-B	6.3	44	Internal Cavity	8500-9660	Res. = 330v	0 to -400		Res. = 300v	-180 to -185		33	111.85
(t) RK-2K28	6.3	65	External Cavity Req.	1200-3750	300	0 to -300		300	300	-155 to -290	140	67.85
(t) RK-787B	6.3	65	External Cavity Req.	1200-3750	300	0 to -300		300	300	-155 to -290	140	67.85
(t) RK2K33	6.3	65	Internal Cavity	22000-26000	-20 to -100	2300	-500	-20 to -100	1800	-80 to -220	40	384.50
(t) QK159	6.3	65	Internal Cavity	2950-3275	300	0 to -300		300	300	-135 to -170	110	67.85
(t) RK5721	6.3	6	External Cavity	4290-8310	+10 to +25	1000	0 to -600	+10 to +25	1000	-60 to -600	160	198.70

(t) Types subject to 10% Federal Excise Tax, which has been added.





# RAYTHEON

## SUBMINIATURE TUBES

### ELECTRONIC AND RADIO TUBES

Here they are—and here's why more Raytheon Subminiature Tubes are on the job than all other makes combined—five million of them for commercial applications.

#### 1. REDUCED PRODUCT SIZE . . .

##### INCREASED PRODUCT SALABILITY.

Raytheon filamentary Subminiatures are flat. Batteries can be little instead of big because of extremely low filament drain.

#### 2. PLUG INTO STANDARD SOCKETS.

All Raytheon Subminiatures can either be soldered in or plugged into sockets available from a number of manufacturers.

#### 3. AS RELIABLE AS A FINE WATCH.

The result of Raytheon's unique precision assembly methods backed by eight years' continuous production of long-life Subminiature Tubes.

#### 4. READILY AVAILABLE FROM STOCK.

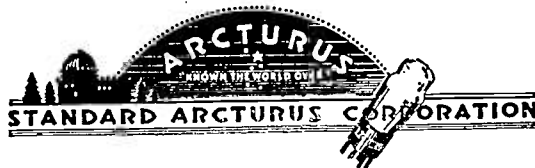
Over half a million of the Tubes described below are on tap at all times. They are standard throughout the world.

#### 5. AT YOUR LOCAL DISTRIBUTOR.

Over three hundred Raytheon Special Purpose Tube Distributors stand ready to serve you quickly and intelligently.

### RAYTHEON SUBMINIATURE TUBES

Type No.	Remarks	Bulb Size Inches	Heater Volts	Heater MA	Mutual Conductance Umhos	Power Output MW	Voltage Gain X	Typical Operating Conditions					Suggested User Price
								Plate Volts	Plate Current MA	Screen Volts	Screen Current MA	Grid Volts	
HEATER CATHODE TYPES													
CK5702/ CK605CX	Characteristics of 6AK5	0.400	6.3	200	5000			120	7.5	120	2.5	-2.0	\$8.00
CK5703/ CK608CX	Triode, UHF Oscillator, 3/4 watts at 500 Mc	0.400	6.3	200	5000			120	9.0			-2.0	2.50
CK5704/ CK606BX	Diode, equivalent to one-half 6AL5	0.315	6.3	150				150 ac	9.0				6.40
CK5744/ CK619CX	Triode, High mu.	0.400	6.3	200	4000			250	4.0			-2.0	7.00
CK5784	Characteristics of 6AS6	0.400	6.3	200	3200			120	5.2	120	3.5	-2.0	8.00
FILAMENT TYPES													
1AD4	RF Pentode for portable equipment	0.400	1.25	100	2000			45	3.0	45	0.8	0	5.35
2E31-32	RF Pentode for pocket radio	0.300	1.25	50	500			22.5	0.4	22.5	0.3	0	2.65
2E35-36	Output Pentode for pocket radio	0.290	1.25	30	385	1.2		22.5	0.27	22.5	0.07	0	3.20
2E41-42	Diode Pentode for pocket radio	0.290	1.25	30	375			22.5	0.35	22.5	0.12	0	2.85
2G21-22	Triode Heptode for pocket radio	0.300	1.25	50	75 conv. cond.			22.5	0.20	22.5	0.30		2.65
RK61	Gas Triode, Exp. Radio Control	0.550	1.4	50				45	1.5	special	circuit		3.50
CK502AX	Output Pentode	0.285	1.25	30	550	6.0		45	0.6	45	0.15	-1.25	3.20
CK503AX	Output Pentode	0.285	1.25	30	550	9.5		45	0.8	45	0.25	-2.0	3.20
CK505AX	Voltage Amp. Pent.	0.285	0.625	30			38	22.5	0.125	22.5	0.04	-0.625	3.20
CK506AX	Output Pentode	0.285	1.25	50		25.0		45	1.25	45	0.40	-4.5	3.20
CK510AX	Double Space Charge Tetrode Amplifier	0.285	0.625	50			150 both units	45	0.06			0	5.35
CK512AX	Low microphonic voltage amplifier	0.285	0.625	20			37	22.5	0.125	22.5	0.04	-0.625	3.20
CK522AX	Output Pentode 20 ma. filament	0.285	1.25	20	460	1.2		22.5	0.30	22.5	0.08	0	3.20
CK523AX	Output Pentode	0.285	1.25	30	380	2.5		22.5	0.30	22.5	0.075	-1.2	3.20
CK524AX	Output Pentode	0.285	1.25	30	300	2.2		15.0	0.45	15.0	0.125	-1.75	5.35
CK525AX	Output Pentode	0.285	1.25	20	325	2.2		22.5	0.25	22.5	0.06	-1.2	4.05
CK526AX	Output Pentode	0.285	1.25	20	400	3.75		22.5	0.45	22.5	0.12	-1.5	5.35
CK527AX	Output Pentode 15 ma. filament	0.285	1.25	15	225	0.75		22.5	0.10	22.5	0.025	0	5.35
CK529AX	Shielded Output Pentode	0.290	1.25	20	275	1.2		15.0	0.20	15.0	0.05	-1.5	4.10
CK533AX	Output Pentode	0.285	1.25	15	425	2.0		22.5	0.4	22.5	0.1	0	5.35
CK535AX	Output Pentode	0.285	1.25	20	275	1.2		15.0	0.20	15.0	0.05	-1.5	4.45
CK551AXA	Diode Pentode	0.300	1.25	30	235			22.5	0.17	22.5	0.043	0	1.50
CK553AXA	RF Pentode	0.300	1.25	50	550			22.5	0.42	22.5	0.13	0	3.15
CK571AX	10 ma. Filament electrometer tube, I <sub>g</sub> =2 x 10 <sup>-13</sup> amps.	0.285	1.25	10			1.6	10.5	0.20			-3.0	10.00
CK573AX	Triode, high frequency output	0.300	1.25	200	2000			135	14.0			-7.5	4.50
CK574AX	Shielded Pentode RF Amplifier	0.290	0.625	20			37	22.5	0.125	22.5	0.04	-0.625	3.20
CK5672	Output Pentode	0.285	1.25	50	625	60.0		67.5	2.75	67.5	1.1	-6.25	3.20
CK5676/ CK556AX	Triode, UHF Oscillator for radio use	0.300	1.25	120	1600			135	4.0			-5.0	3.90
CK5677/ CK568AX	Triode, UHF Oscillator for radio use	0.300	1.25	60	650			135	1.9			-6.0	3.90
CK5678/ CK569AX	RF Pentode	0.300	1.25	50	1100			67.5	1.8	67.5	0.48	0	2.60
CK5697/ CK570AX	Electrometer Triode Max. grid current 5 x 10 <sup>-13</sup> amps.	0.285	0.625	20			1.5	12	0.22			-3.0	10.00
CK5785	High Voltage rectifier	0.285	1.25	15					0.1	Inv. Peak 3500			2.35
VOLTAGE REGULATORS													
CK5783	Voltage reference tube—like 5651	0.400	Operating voltage 85. Operating current 1.5 to 3.5 ma.										7.60
CK5787	Voltage regulator	0.400	Operating voltage 100. Operating current 5 to 25 ma.										8.00



## The Oldest Name in Electronic Tubes

EFFECTIVE JUNE 1, 1949

TYPE	USER'S PRICE	TYPE	USER'S PRICE	TYPE	USER'S PRICE	TYPE	USER'S PRICE	TYPE	USER'S PRICE	TYPE	USER'S PRICE
0Y4 .....	\$4.80	2A5 .....	\$2.20	6C5GT .....	\$1.65	6T7G .....	\$3.20	12BE6 .....	\$1.80	33 .....	\$3.20
0Z4 .....	1.65	2A6 .....	2.65	6C6 .....	2.00	6T8 .....	2.90	12C8 .....	3.20	34 .....	3.20
0Z4G .....	1.65	2A7 .....	2.65	6C8G .....	3.20	6U5 .....	2.00	12F5GT .....	1.80	35/51 .....	2.00
1A1 .....	1.65	2B7 .....	2.65	6D6 .....	1.65	6U6GT .....	2.00	12H6 .....	1.80	35A5 .....	1.80
1A3 .....	2.20	2E5 .....	2.65	6D8G .....	3.20	6U7G .....	1.80	12J5GT .....	1.50	35B5 .....	2.00
1A4P .....	3.90	3A8GT .....	4.80	6E5 .....	2.20	6V6 .....	3.20	12J7GT .....	2.00	35C5 .....	2.00
1A5GT .....	1.80	3B7 .....	2.65	6F5 .....	1.65	6V6GT .....	2.00	12K7G .....	2.00	35L6GT .....	1.65
1A6 .....	3.20	3C6/XXB .....	3.20	6F5GT .....	1.65	6W4GT .....	1.80	12K7GT .....	1.65	35W4 .....	1.25
1A7GT .....	2.00	3D6 .....	2.65	6F6 .....	2.00	6W7G .....	2.65	12K8 .....	2.40	35Y4 .....	1.80
1AB5 .....	2.65	3E6 .....	2.65	6F6G .....	1.65	6X4 .....	1.50	12K8GT .....	2.40	35Z3 .....	1.80
1AC5 .....	2.20	3LF4 .....	2.65	6F6GT .....	1.65	6X5GT .....	1.50	12Q7GT .....	1.80	35Z4GT .....	1.50
1AD5 .....	2.20	3Q4 .....	2.20	6F7 .....	3.20	6Y6G .....	2.40	12S8GT .....	2.65	35Z5GT .....	1.25
1B1 .....	1.65	3Q5GT .....	2.40	6F8G .....	3.20	6Z7G .....	3.90	12SA7 .....	1.65	36 .....	2.65
1B3GT .....	3.20	3S4 .....	2.00	6G6G .....	2.65	6Z7Y5G .....	2.20	12SA7GT .....	1.65	37 .....	1.80
1B4P .....	3.90	3V4 .....	2.00	6H6 .....	1.65	7A4 .....	1.80	12SC7 .....	2.20	38 .....	2.20
1B5 .....	3.20	5A24 .....	1.35	6H6GT .....	1.65	7A4/XXL .....	1.80	12SF5 .....	1.80	39/41 .....	2.65
1B7GT .....	3.20	5T4 .....	3.90	6J5 .....	1.50	7A5 .....	1.80	12SF5GT .....	2.00	41 .....	1.65
1C5GT .....	2.20	5U4G .....	1.50	6J5GT .....	1.50	7A6 .....	1.80	12SF7 .....	2.00	42 .....	1.65
1C6 .....	3.20	5V4G .....	2.40	6J6 .....	2.90	7A7 .....	1.80	12SG7 .....	2.00	43 .....	1.65
1C7G .....	3.20	5W4 .....	2.65	6J7 .....	2.00	7A8 .....	1.80	12SH7 .....	2.20	45 .....	1.65
1C8 .....	2.20	5W4GT .....	1.65	6J7G .....	2.00	7AD7 .....	2.65	12SJ7 .....	1.65	45Z5GT .....	1.80
1D5GP .....	3.90	5X4G .....	1.80	6J7GT .....	2.00	7AF7 .....	1.80	12SJ7GT .....	1.65	46 .....	2.65
1D7G .....	3.20	5Y3G .....	1.05	6J8G .....	3.20	7AG7 .....	2.20	12SK7 .....	1.65	47 .....	2.40
1D8GT .....	3.90	5Y3GT .....	1.05	6K5GT .....	2.40	7AH7 .....	2.20	12SK7GT .....	1.65	49 .....	2.65
1E1 .....	1.65	5Y4G .....	1.50	6K6GT .....	1.50	7AJ7 .....	1.80	12SL7GT .....	2.40	50 .....	3.90
1E5GP .....	3.90	5Z3 .....	1.80	6K7 .....	1.65	7B4 .....	1.80	12SN7GT .....	2.20	50A5 .....	2.20
1E7GT .....	3.90	5Z4 .....	2.65	6K7G .....	1.65	7B5 .....	1.80	12SQ7 .....	1.50	50B5 .....	2.00
1E8 .....	2.20	6A3 .....	3.20	6K7GT .....	1.65	7B6 .....	1.80	12SQ7GT .....	1.50	50C5 .....	2.00
1F1 .....	1.65	6A4 .....	3.20	6K8 .....	2.40	7B7 .....	1.80	12SR7 .....	2.20	50C6G .....	2.90
1F4 .....	2.65	6A5G .....	3.90	6K8GT .....	2.40	7B8 .....	1.80	12SR7GT .....	2.20	50L6GT .....	1.65
1F5G .....	2.65	6A6 .....	2.65	6L5G .....	2.65	7C4 .....	2.65	12Z3 .....	2.65	50X6 .....	2.20
1G4GT .....	2.65	6A7 .....	2.00	6L6 .....	3.55	7C5 .....	1.80	14A4 .....	2.65	50Y6GT .....	1.80
1G6G .....	2.65	6A8 .....	2.00	6L6G .....	2.90	7C6 .....	1.80	14A5 .....	3.90	50Y7GT .....	2.00
1G6GT .....	2.65	6A8G .....	2.00	6L6GA .....	2.90	7C7 .....	1.80	14A7 .....	2.20	53 .....	2.65
1H4G .....	2.20	6A8GT .....	2.00	6L7 .....	2.40	7E5 .....	2.65	14AF7 .....	2.20	55 .....	2.20
1H5GT .....	1.65	6AB5 .....	2.65	6L7G .....	2.90	7E6 .....	1.80	14B6 .....	2.20	56 .....	1.80
1H6GT .....	3.20	6AB7 .....	3.20	6N6G .....	3.90	7E7 .....	2.20	14B8 .....	2.20	57 .....	2.00
1J6GT .....	3.20	6AC5GT .....	2.90	6N7 .....	2.40	7F7 .....	2.20	14C5 .....	2.20	58 .....	2.00
1K1 .....	1.65	6AC7 .....	2.90	6N7GT .....	2.40	7F8 .....	2.65	14C7 .....	2.20	59 .....	3.55
1L4 .....	2.00	6AD7G .....	3.20	6P5GT .....	2.40	7G7 .....	2.65	14E6 .....	2.20	70L7GT .....	3.90
1LA4 .....	2.65	6AF6G .....	2.65	6Q7 .....	2.00	7H7 .....	2.00	14E7 .....	2.20	71A .....	2.00
1LA6 .....	2.65	6AG5 .....	2.65	6Q7G .....	1.80	7J7 .....	2.65	14F7 .....	2.20	75 .....	1.65
1LB4 .....	2.65	6AG7 .....	3.20	6Q7GT .....	1.80	7K7 .....	2.65	14F8 .....	2.65	76 .....	1.65
1LC5 .....	2.65	6AH6 .....	3.90	6R7 .....	2.65	7L7 .....	2.20	14H7 .....	2.20	77 .....	1.65
1LC6 .....	2.65	6AK5 .....	3.90	6R7GT .....	2.65	7N7 .....	2.20	14J7 .....	2.65	78 .....	1.65
1LD5 .....	2.65	6AK6 .....	2.40	6S7 .....	2.65	7Q7 .....	1.80	14N7 .....	2.65	79 .....	2.65
1LE3 .....	2.65	6AL5 .....	2.00	6S7G .....	3.20	7R7 .....	2.20	14Q7 .....	2.20	80 .....	1.15
1LG5 .....	2.65	6AL7GT .....	2.65	6S8GT .....	2.65	7S7 .....	2.65	14R7 .....	2.20	81 .....	3.90
1LH4 .....	2.65	6AQ5 .....	2.00	6SA7 .....	1.65	7V7 .....	2.65	14S7 .....	2.65	82 .....	2.65
1LN5 .....	2.65	6AQ6 .....	1.80	6SA7GT .....	1.65	7W7 .....	2.65	14V7 .....	2.65	83 .....	2.65
1N5GT .....	2.00	6AQ7GT .....	2.20	6SB7Y .....	2.40	7X7 .....	2.65	14X7 .....	2.65	84/6Z4 .....	1.80
1P5GT .....	2.65	6AR5 .....	1.65	6SC7 .....	2.00	7Y4 .....	1.80	14Y4 .....	2.65	85 .....	2.20
1Q5GT .....	2.65	6AT6 .....	1.50	6SF5 .....	1.65	7Z4 .....	1.80	19 .....	3.20	89 .....	2.20
1Q6 .....	2.20	6AU6 .....	2.00	6SF5GT .....	1.80	12A6 .....	3.90	19J6 .....	3.20	99 .....	3.20
1R4 .....	2.20	6AV6 .....	1.50	6SF7 .....	2.00	12A6GT .....	2.90	19T8 .....	2.90	V99 .....	3.20
1R5 .....	2.00	6B4G .....	3.20	6SG7 .....	2.00	12A7 .....	3.20	20A .....	2.20	100-70 .....	2.00
1S4 .....	2.40	6B5 .....	3.90	6SH7 .....	2.20	12A8 .....	2.00	25AC6G .....	2.65	100-77 .....	2.00
1S5 .....	1.80	6B6G .....	2.20	6SH7GT .....	2.20	12A8G .....	2.00	25AC6GT .....	2.90	100-79 .....	2.00
1S6 .....	2.20	6B7 .....	3.20	6SJ7 .....	1.65	12A8GT .....	2.00	25C6G .....	2.90	117L7GT .....	3.90
1T4 .....	2.00	6B8 .....	3.20	6SJ7GT .....	1.65	12AH7GT .....	2.65	25L6 .....	3.20	117N7GT .....	3.90
1T5GT .....	2.65	6B8G .....	3.20	6SK7 .....	1.65	12AL5 .....	2.00	25L6GT .....	1.65	117P7GT .....	3.90
1T6 .....	2.20	6BA6 .....	1.80	6SK7GT .....	1.65	12AT6 .....	1.50	25Y5 .....	2.90	117Z3 .....	1.50
1U4 .....	2.00	6BA7 .....	2.40	6SL7GT .....	2.40	12AT7 .....	2.90	25Z5 .....	1.50	117Z4GT .....	2.90
1U5 .....	1.80	6BD6 .....	2.00	6SN7GT .....	2.20	12AU6 .....	2.00	25Z6 .....	2.20	117Z6GT .....	2.40
1V .....	2.20	6BE6 .....	1.80	6SQ7 .....	1.50	12AU7 .....	2.40	25Z6GT .....	1.35	FM-1000 .....	3.20
1V5 .....	2.20	6BF6 .....	1.65	6SQ7GT .....	1.50	12AV6 .....	1.50	26 .....	1.80	1273 .....	2.40
1W5 .....	2.20	6BG6G .....	4.80	6SR7 .....	1.80	12AW6 .....	2.65	30 .....	2.00	1280 .....	2.40
1X1 .....	1.65	6BH6 .....	2.00	6SR7GT .....	1.80	12AX7 .....	2.40	31 .....	2.65	XXB (3C6/	
1Y1 .....	1.65	6BJ6 .....	2.00	6SS7 .....	1.80	12BA6 .....	1.80	32 .....	3.55	XXB) .....	3.20
1Z1 .....	1.65	6C4 .....	1.65	6SV7 .....	2.90	12BA7 .....	2.40	32 .....	3.55	XXD (14AF7) .....	2.20
2A3 .....	3.20	6C5 .....	1.65			12BD6 .....	2.00	32L7GT .....	3.20	XXFM (7X7) .....	2.65
										XXL (7A4/	
										XXL) .....	1.80

Cathode-Ray, Industrial, Special Purpose, Transmission, Photo-Electric, X-Ray, Low-wattage Rectifier, Welding, Grid-controlled Rectifier Tube prices and discounts on request.

ALL PRICES ARE SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.

# NATIONAL UNION

# RECEIVING TUBES

PRICE LIST Effective March 1, 1949\*

TYPE	USER'S PRICE	TYPE	USER'S PRICE	TYPE	USER'S PRICE	TYPE	USER'S PRICE	TYPE	USER'S PRICE	TYPE	USER'S PRICE
0Y4	\$4.80	3LF4	\$2.65	6F7	\$3.20	6X4	\$1.50	12S8GT	\$2.65	35Y4	\$1.80
0Z4	1.65	3Q4	2.20	6F8G	3.20	6X5	2.65	12SA7	1.65	35Z3	1.80
0Z4G	1.65	3Q5GT	2.40	6G6G	2.65	6X5GT	1.50	12SA7GT	1.65	35Z4GT	1.50
1A3	2.20	3S4	2.00	6H6	1.65	6Y3G	3.90	12SC7	2.20	35Z5GT	1.25
1A4P	3.90	3V4	2.00	6H6GT	1.65	6Y6G	2.40	12SF5	1.80	35Z6G	2.65
1A5GT	1.80	5AZ4	1.35	6J5	1.50	6Z7G	3.90	12SF5GT	2.00	36	2.65
1A6	3.20	5T4	3.90	6J5GT	1.50	6ZY5G	2.20	12SF7	2.00	37	1.80
1A7GT	2.00	5U4G	1.50	6J6	2.90	7A4/XXL	1.80	12SG7	2.00	38	2.20
1AB5	2.65	5V4G	2.40	6J7	2.00	7A5	1.80	12SH7	2.20	39/44	2.65
1B3GT	3.20	5W4	2.65	6J7G	2.00	7A6	1.80	12SH7GT	2.20	41	1.65
1B4P	3.90	5W4GT	1.65	6J7GT	2.00	7A7	1.80	12SJ7	1.65	42	1.65
1B5/25S	3.20	5X3	2.20	6J8G	3.20	7AD7	1.80	12SJ7GT	1.65	43	1.65
1B7GT	3.20	5X4G	1.80	6K5GT	2.40	7AD7	2.65	12SK7	1.65	45	1.65
1C5GT	2.20	5Y3G	1.05	6K6GT	1.50	7AF7	1.80	12SK7GT	1.65	45Z3	1.80
1C6	2.20	5Y3GT	1.05	6K7	1.65	7AG7	2.20	12SL7GT	2.40	45Z5GT	1.80
1C7G	3.20	5Y4G	1.50	6K7G	1.65	7AH7	2.20	12SN7GT	2.20	46	2.65
1C8	2.20	5Z3	1.80	6K7GT	1.65	7B4	1.80	12SQ7	1.50	47	2.40
1D5GP	3.90	5Z4	2.65	6K8	2.40	7B5	1.80	12SQ7GT	1.50	49	2.65
1D7G	3.20	6A3	3.20	6K8G	2.90	7B6	1.80	12SR7	2.20	50	3.90
1D8GT	3.90	6A4	3.20	6K8GT	2.40	7B7	1.80	12SR7GT	2.20	50A5	2.20
1E5GP	3.90	6A6	2.65	6L5G	2.65	7B8	1.80	12Z3	2.65	50B5	2.00
1E5GT	3.90	6A7	2.00	6L6	3.55	7C4/1203A	2.65	14A4	2.65	50C5	2.00
1E7GT	3.90	6A8	2.00	6L6G	2.90	7C5	1.80	14A5	3.90	50C6G	2.90
1F4	2.65	6A8G	2.00	6L6GA	2.90	7C6	1.80	14A7/12B7	2.20	50L6GT	1.65
1F5G	2.65	6A8GT	2.00	6L7	2.40	7C7	1.80	14AF7/XXD	2.20	50X6	2.20
1F6	3.90	6AB5/6N5	2.65	6L7G	2.90	7C8	2.65	14B6	2.20	50Y6GT	1.80
1F7G	3.90	6AB7/1853	3.20	6N6G	3.90	7E5/1201	2.65	14B8	2.20	53	2.65
1G4GT	2.65	6AC5GT	2.90	6N7	2.40	7E6	1.80	14C5	2.20	55	2.20
1G5G	2.65	6AC7/1852	2.90	6N7GT	2.40	7E7	2.20	14C7	2.20	56	1.80
1G6GT	2.65	6AD7G	3.20	6P5GT	2.40	7F7	2.20	14E6	1.80	57	2.00
1H4G	2.20	6AF6G	2.65	6Q6G/6T7G	3.20	7F8	2.65	14E7	2.20	58	2.00
1H5GT	1.65	6AG5	2.65	6Q7	2.00	7G7/1232	2.65	14F7	2.20	59	3.55
1H6G	3.20	6AG7	3.20	6Q7G	1.80	7H7	2.00	14F8	2.65	70L7GT	3.90
1H6GT	3.20	6AH6	3.90	6Q7GT	1.80	7J7	2.65	14H7	2.20	71A	2.00
1J5G	2.65	6AK5	3.90	6R7	2.65	7K7	2.65	14J7	2.65	75	1.65
1J6GT	3.20	6AK6	2.40	6R7GT	2.65	7L7	2.20	14N7	2.65	76	1.65
1L4	2.00	6AL5	2.00	6S7	2.65	7N7	2.20	14Q7	2.20	77	1.65
1LA4	2.65	6AL7GT	2.65	6S7G	3.20	7Q7	1.80	14R7	2.20	78	1.65
1LA6	2.65	6AQ5	2.00	6S8GT	2.65	7R7	2.20	14S7	2.65	79	2.65
1LB4	2.65	6AQ6	1.80	6SA7	1.65	7S7	2.65	14W7	2.65	80	1.15
1LC5	2.65	6AQ7GT	2.20	6SA7GT	1.65	7V7	2.65	14X7	2.65	81	3.90
1LC6	2.65	6AR5	1.65	6SB7Y	2.40	7W7	2.65	14Y4	2.20	82	2.65
1LD5	2.65	6AS5	2.00	6SC7	2.00	7X7/XXFM	2.65	15	3.20	83	2.65
1LE3	2.65	6ASTG	0.75	6SD7GT	2.65	7Y4	1.80	19T8	3.20	83V	3.20
1LG5	2.65	6AT6	1.50	6SF5	1.65	7Z4	1.80	20	3.55	84/GZ4	1.80
1LH4	2.65	6AU6	2.00	6SF5GT	1.80	10	3.90	22	3.90	85	2.20
1LN5	2.65	6AV6	1.50	6SF7	2.00	12A6	2.90	24A	3.20	89	2.20
1N5GT	2.00	6B4G	3.20	6SG7	2.00	12A6GT	2.90	25A	2.20	99V	3.20
1P5GT	2.65	6B5	3.90	6SH7	2.20	12A7	3.20	25A6	3.20	99X	3.20
1Q5GT	2.65	6B6G	2.20	6SH7GT	2.20	12A8GT	2.00	25A6G	2.65		
1Q6	2.20	6B7	3.20	6SJ7	1.65	12AH7GT	2.65	25A6GT	3.20	117L7GT/	
1R4	2.20	6B8	3.20	6SJ7GT	1.65	12AL5	2.00	25AC5GT	2.90	117M7GT	3.90
1R5	2.00	6B8G	3.20	6SK7	1.65	12AT6	1.50	25B8GT	4.95	117N7GT	3.90
1S4	2.40	6BA6	1.80	6SK7GT	1.65	12AT7	2.90	25C6G	3.20	117P7GT	3.90
1S5	1.80	6BA7	2.40	6SL7GT	2.40	12AU6	2.00	25L6	3.20	117Z3	1.50
1T4	2.00	6BD6	2.00	6SN7GT	2.20	12AV7	2.40	25L6GT	1.65	117Z4GT	2.90
1T5GT	2.65	6BE6	1.80	6SQ7	1.50	12AV6	1.50	25Y5	2.90	117Z6GT	2.40
1U4	2.00	6BF6	1.65	6SQ7GT	1.50	12AX7	2.65	25Z5	1.50	FM-1000	3.20
1U5	1.80	6BG6G	4.80	6SR7	1.80	12AX7	2.40	25Z6	2.20	1201/7E5	2.65
1V	2.20	6BH6	2.00	6SR7GT	1.80	12BA6	1.80	25Z6GT	1.35	1203A/7C4	2.65
1V5	2.20	6BJ6	2.00	6SS7GT	1.80	12BA7	2.40	26	1.80	1273	2.40
1W5	2.20	6C4	1.65	6ST7	2.65	12BD6	1.80	27	1.50	1280	2.40
2A3	3.20	6C5	1.65	6SZ7	2.20	12BE6	1.80	30	2.00	XXB/3C6	3.20
2A5	2.20	6C5GT	1.50	6T7G/6Q6G	3.20	12C8	3.20	31	2.65	XXD/14AF7	2.20
2A6	2.65	6C6	2.00	6T8	3.55	12F5GT	1.80	32	3.55	XXFM/7X7	2.65
2A7	2.65	6C8G	3.20	6U5/6G5	2.00	12H6	1.80	32L7GT	3.20	XXL/7A4	1.80
2B7	2.65	6D6	1.65	6U6GT	2.00	12J5GT	1.50	33	3.20		
2E5	2.65	6D8G	3.20	6U7G	1.80	12J7G	2.00	34	3.20		
2Z2/G84	3.90	6E5	2.20	6V5G	3.90	12J7GT	2.00	35/51	2.00		
3A8GT	4.80	6F5	1.65	6V5GT	3.90	12K7G	2.00	35A5	1.80		
3B7	2.65	6F5GT	1.65	6V6	3.20	12K7GT	1.65	35B5	2.00		
3C6/XXB	3.20	6F6	2.00	6V6GT	2.00	12K8	2.40	35C5	2.00		
3D6	2.65	6F6G	1.65	6W4GT	1.80	12K8GT	2.40	35L6GT	1.65		
3F6	2.65	6F6GT	1.65	6W7G	2.65	12Q7GT	1.80	35W4	1.25		

\*Prices on types not appearing on this list, gladly furnished on request.

NATIONAL UNION RADIO CORPORATION

# NATIONAL UNION

## ELECTRON TUBES PANEL LAMPS

EFFECTIVE APRIL 11, 1949

TYPE	DESCRIPTION	SUGGESTED USER'S PRICE
"Videotron" NU-TP400A	4" PROJECTION (Magnetic Focus)	\$63.00
"Videotron" NU-7JP4	7" DIRECT VIEW (Electrostatic Focus)	27.60
"Videotron" NU-10BP4	10" DIRECT VIEW (Magnetic Focus)	44.50
"Videotron" NU-12LP4	12 1/2" DIRECT VIEW (Magnetic Focus)	66.50
"Videotron" NU-16AP4	16" DIRECT VIEW (Magnetic Focus)	79.50
	Glass Metal (Magnetic Deflection)	

"VIDEOTRONS"  
TV  
PICTURE TUBES

### TRANSMITTING TYPES

TYPE	DESCRIPTION	SUGGESTED USER'S PRICE	TYPE	DESCRIPTION	SUGGESTED USER'S PRICE
2C34/RK34	Twin Triode Power Amp.	\$3.50	813	Beam Power Amp.	\$16.00
T55	Triode Amplifier	7.50	814	Beam Power Amp.	14.25
UE100	Triode Amplifier Osc.	15.00	815	U. H. F. Beam Power Amp.	6.90
100TH	High Mu Triode	16.65	816	H. W. Mercury Vapor Rectifier	1.30
200	Power Amp. Triode	25.00	826	U. H. F. Med. Mu Triode	12.50
203A	Power Amp. Osc. Triode	13.75	828	Beam Power Amp.	13.75
211	Power Amp. Osc. Triode	13.75	834	U. H. F. Power Amp. Triode	14.50
217C	H. W.-H. V. Rectifier	21.50	836	H. W.-H. V. Rectifier	8.25
Z225/866A	H. W.-H. V. Rectifier	1.95	837	Power Amp. Pentode	4.75
3C0	Power Amp. Triode	29.50	838	Power Amp. Triode	13.75
801A	Power Amp. Triode	3.75	843	Power Amp. Triode	2.30
802	Power Amp. Pentode	4.75	845	A. F. Power Amp. Triode	13.75
803	Power Amp. Pentode	24.50	852	Power Amp. Triode	32.00
804	Power Amp. Pentode	17.50	865	Tetrode Amp.	11.50
805	Power Amp. Osc. Triode	13.50	866A	H. W.-M. V. Rectifier	1.95
806	Power Amp. Triode	34.25	866JR	H. W.-M. V. Rectifier	1.30
807	Beam Power Amp.	2.50	872A	H. W.-M. V. Rectifier	8.20
808	Power Amp. Osc. Triode	10.75	873	H. W.-M. V. Rectifier	17.25
809	Power Amp. Mod. Triode	4.00	1616	H. W.-H. V. Rectifier	8.65
810	Power Amp. Mod. Triode	14.50	1624	Beam Power Amp.	4.00
811	High Mu Triode	3.30	1625	Beam Power Amp.	2.65
812	Low Mu Triode	4.05	1626	Low Mu Amp.	1.85
812H	R. F. Amp. Osc. Mod. Triode	7.50			

TRANSMITTING  
TUBES

### SPECIAL PURPOSE TYPES

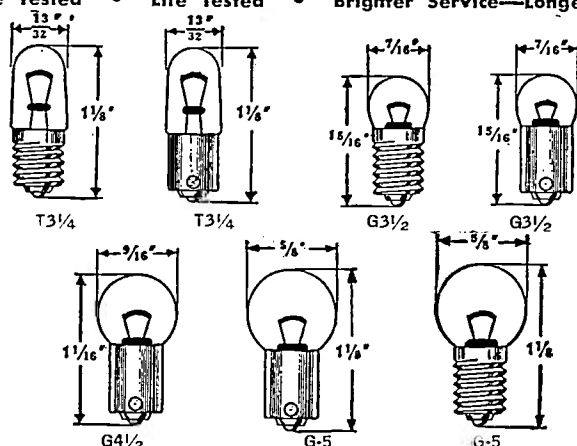
0A2	Cold Cathode Voltage Regulator (Min.)	\$4.35	6D4	Thyratron (Min.)	\$2.85
0A3/VR75	Diode Voltage Regulator	2.65	12L8GT	Twin Pentode Power Amp.	2.25
0A4G	Cold Cathode Gas Triode	2.65	FG17	Thyratron Triode	6.50
0B2	Voltage Regulator (Min.)	4.35	25A7GT	Power Pentode and H. W. Rectifier	3.50
0B3/VR90	Diode Voltage Regulator	2.65	28D7	Twin Beam Power Amp.	1.80
0C3/VR105	Diode Voltage Regulator	2.65	878	H. W. High Vacuum Rectifier	12.75
0D3/VR150	Diode Voltage Regulator	2.65	884	Thyratron Triode	1.85
2A4G	Thyratron	4.80	885	Grid Controlled Gas Rectifier	2.00
2C53	High Mu Triode Amp.	15.00	R1038	Ionization Gauge	29.50
2D21	Thyratron Gas (Min.)	2.00	1620	Pentode Det. Amp.	6.60
2V3G	Half Wave Rectifier	3.15	1621	Power Amp. Pentode	2.15
2X2A	High Voltage H. W. Rectifier	4.35	1622	Beam Power Amp.	2.30
3A4	Power Amp. Pentode (Min.)	1.20	1654	H. W.-H. V. Rectifier	4.55
3D22	Grid Cont. Gas Rectifier	13.25	2050	Grid Controlled Gas Rectifier	1.85
5R4GY	F. W. High Vacuum Rectifier	1.50	2051	Grid Controlled Gas Rectifier	1.90
6AJ5	U. H. F. Pentode	3.50			

SPECIAL  
PURPOSE  
TUBES

Tubes here listed represent the faster moving types and are maintained for prompt delivery. This list is continually being supplemented and inquiries are therefore invited on any types not shown.

## PANEL LAMPS • Shock Tested • Torque Tested • Life Tested • Brighter Service—Longer

TYPE No.	Rated Volts	Amps.	Base	Bead Color	Bulb Style	LIST PRICE†
N-13	3.8	.30	Screw	Green	G3 1/4	\$ .10
N-14	2.5	.30	Screw	Blue	G3 1/2	.10
N-40*	6-8	.15	Screw	Brown	T3 1/4	.10
N-40A	6-8	.15	Bayonet	Brown	T3 1/4	.10
N-41*	2.5	.50	Screw	White	T3 1/4	.10
N-42	3.2	.35	Screw	Green	T3 1/4	.12
N-43	2.5	.60	Bayonet	White	T3 1/4	.10
N-44*	6-8	.25	Bayonet	Blue	T3 1/4	.10
N-45	3.2	.35	Bayonet	Green	T3 1/4	.12
N-46*	6-8	.25	Screw	Blue	T3 1/4	.10
N-47*	6-8	.15	Bayonet	Brown	T3 1/4	.10
N-48	2.0	.06	Screw	Pink	T3 1/4	.15
N-49	2.0	.06	Bayonet	Pink	T3 1/4	.15
N-50*	6-8	.20	Screw	White	G3 1/2	.10
N-51*	6-8	.20	Bayonet	White	G3 1/2	.09
N-55*	6-8	.40	Bayonet	White	G4 1/2	.09
N-292	2.9	.17	Screw	White	T3 1/4	.13
N-291	2.9	.17	Bayonet	White	T3 1/4	.13
N-292A	2.9	.17	Bayonet	White	T3 1/4	.13
N-1455	18.0	.25	Screw	Brown	G5	.12
N-1455A†	18.0	.25	Bayonet	Brown	G5	.12
N-1456†	18.0	.25	Bayonet	Brown	G5	.12
N-1490	3.2	.16	Bayonet	White	T3 1/4	.11



PACKING: 10 Lamps to the Unit Carton. 20 Unit Cartons (200 lamps) to the Standard Package.

\*Used also in Coin Operated Machines. †Used also in Toy Trains.

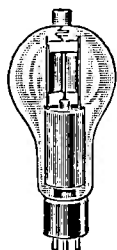
All prices and types on this page subject to change and/or withdrawal without notice.



# WESTINGHOUSE ELECTRONIC TUBES



## PHOTOTUBES



WL-767  
WL-773  
WL-775



SR-50  
SR-53

Type Number	Spectral Ranges Au.	Vacuum or Gas	Cathode Surface	Luminous Sensitivity Microamperes per lumen (o cycles)	Anode Volts Max.	List Price
WL-1P29	3300-9000	Gas	S3	40	100	\$ 2.95
SR-50		REPLACEMENT	ONLY			7.35
SR-53		REPLACEMENT	ONLY			10.50
SK-60		REPLACEMENT	ONLY			7.35
SK-63		REPLACEMENT	ONLY			10.50
WL-734	4000-12000	Vac.	S1	15	500	2.75
WL-767	2000-3150	Vac.	Zirconium	—	500	82.50
WL-773	2000-3675	Vac.	Thorium	—	500	82.50
WL-775	2000-3000	Vac.	Tantalum	—	500	82.50
WL-789	Below 2100	Vac.	Platinum	—	500	137.50
WL-868	4000-12000	Gas	S1	90	90	2.50
WL-917	4000-12000	Vac.	S1	20	500	3.50
WL-918	4000-12000	Gas	S1	150	90	2.85
WL-919	4000-12000	Vac.	S1	20	500	3.50
WL-920	4000-12000	Gas	S1	75	90	4.15
WL-921	4000-12000	Gas	S1	135	90	1.95
WL-922	4000-12000	Vac.	S1	20	500	1.95
WL-923	4000-12000	Gas	S1	135	90	2.05
WL-924	4000-12000	Gas	S1	55	90	2.60
WL-925	4000-12000	Vac.	S1	15	250	2.15
WL-926	3300-9000	Vac.	S3	6.5	500	2.90
WL-927	4000-12000	Gas	S1	125	90	2.50
WL-928	4000-12000	Gas	S1	65	90	3.15
WL-929	3000-6700	Vac.	S4	45	250	1.75
WL-930	4000-12000	Gas	S1	135	90	1.65
WL-931A†	3000-6700	Vac.	S4	*	1250	9.75

\*Sensitivity 10 amps. per lumen at 100 volts per stage.

† Multiplier.

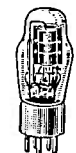
## THYRATRONS

### GRID CONTROLLED GAS OR MERCURY VAPOR RECTIFIERS

Type Number	Filament		Volts Peak Inverse	Amps. Peak	Amps. Ave.	Gas	Number of Electrodes	List Prices
	Volts	Amps.						
WL-2D21	6.3	0.6	1300	0.5	0.1	Inert	4	\$ 2.00
WL-3C23	2.5	7.0	1250	6.0	1.0	Hg.	3	12.50
WL-33	5.0	4.5	1000	15.0	2.5	Hg.	3	21.00
WL-41	5.0	20.0	10000	75.0	12.5	Hg.	3	182.00
WL-81A	2.5	5.0	500	2.0	0.5	Inert	3	16.00
WL-105	5.0	10.0	2500	40.0	6.4	Hg.	4	48.00
WL-172	5.0	10.0	2000	40.0	6.4	Hg.	4	50.00
WL-414	5.0	20.0	2000	100.0	12.5	Hg.	4	120.00
WL-502A	6.3	0.6	1300	0.5	0.1	Inert	4	1.85
KU-610	2.5	6.5	500	0.4	0.1	Inert	3	22.00
KU-618			REPLACEMENT ONLY					15.75
WL-624	5.0	10.0	2500	77.0	6.4	Hg.	3	44.00
KU-627	2.5	6.0	5000	2.5	0.64	Hg.	3	17.25
KU-628	5.0	11.5	2500	8.0	2.0	Hg.	3	30.50
WL-629	2.5	2.6	350	0.2	0.04	Inert	3	10.00
WL-632B	5.0	5.0	1500	30.0	2.5	Hg.	4	23.00
KU-636	2.5	7.5	350	0.4	0.1	Inert	3	22.00
WL-672A	5.0	5.0	2500	40.0	3.2	Hg.	4	26.50
KU-676	5.0	10.0	2500	40.0	6.4	Hg.	3	48.00
WL-677	5.0	10.0	10000	15.0	4.0	Hg.	3	48.00
WL-678	5.0	7.5	15000	6.0	1.6	Hg.	3	40.00
WL-759			REPLACEMENT ONLY					18.00
WL-884	6.3	0.6	350	0.3	0.075	Inert	3	1.85
WL-885	2.5	1.5	350	0.3	0.075	Inert	3	2.00
WL-2050	6.3	0.6	1300	1.0	0.1	Inert	4	1.85
WL-5557/17	2.5	5.0	5000	2.0	0.5	Hg.	3	7.00
WL-5559/57	5.0	4.5	1000	15.0	2.5	Hg.	3	19.50
WL-5664	2.5	6.3	1250	8.0	1.0	Inert	3	8.90
WL-5683	2.5	6.3	1250	8.0	1.0	Inert	3	8.90
WL-5684	2.5	9.0	1250	30.0	2.5	Inert	3	14.20
WL-5685	2.5	21.0	1250	77.0	6.4	Inert	3	30.40



KU-627



WL-629

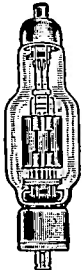
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# WESTINGHOUSE ELECTRONIC TUBES



## PLIOTRONS — Modulators, Amplifiers, Oscillators



WL-204A



WL-211



WL-803



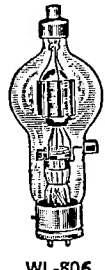
WL-807



WL-809



WL-460



WL-806

Type Number	Filament		Max. Plate D-C** Volts	Max. Plate D-C** Ma.	Max. Plate Diss** Watts	Plate Output Watts Class C	Ampl. Factor	Max. MC For 100% Input	List Prices
	Volts	Amps.							
WL-3X2500A3#	7.5	48	5000	2000	2500	7500	20	50	\$ 180.00
WL-4D21 4-125A	5.0	6.5	3000	225	125	375	Tetrode	120	27.50
WL-4X150A#	5.0	2.8	1000	250	150	74	Tetrode	500	34.00
WL-4X500A#	5.0	13.5	4000	350	500	1320	Tetrode	120	97.50
WL-4-1000A#	7.5	21.0	5000	700	1000	2200	Tetrode	110	120.00
WL-5D22 4-250A	5.0	14.5	4000	350	250	1000	Tetrode	75	37.50
WL-195	10.0	3.25	3000	150	125	325	12	15	30.50
WL-196	10.0	3.25	3000	150	125	325	35	15	30.50
WL-203A	10.0	3.25	1250	175	100	120	25	15	13.75
WL-204A	11.0	3.85	3500	275	250	450	23	3	115.00
WL-207	22.0	50.00	15000	2000	10000	20000	20	1.6	242.00
WL-211	10.0	3.25	1250	175	100	130	12	15	12.50
WL-285	10.0	3.25	1350	200	100	170	12	20	20.00
WL-450TH	7.5	12.0	6000	600	450	1800	38	40	70.00
WL-460	10.0	3.85	3000	200	150	400	18	30	30.50
WL-463	11.0	5.00	2500	275	200	550	22	30	43.00
WL-468	10.0	3.85	2500	200	150	400	18	6	28.50
WL-473#	6.0	60.00	5000	1400	2500	3900	22	60	144.00
RH-507	2.0	0.06	REPLACEMENT ONLY				0.8	.....	33.50
RJ-550			REPLACEMENT ONLY						17.25
RJ-563			REPLACEMENT ONLY						29.00
RJ-571			REPLACEMENT ONLY						15.75
AWL-787	6.0	1.60	650	.....	.....	25	2	.....	44.00
WL-801A	7.5	1.25	600	70	20	.....	8	60	3.75
WL-802	6.3	0.90	600	60	10	15	.....	30	4.75
WL-803	10.0	5.00	2000	175	125	225	.....	20	24.25
WL-805	10.0	3.25	1500	210	125	215	50	30	13.50
WL-806	5.0	9.50	3000	200	150	450	12.6	30	34.25
WL-807	6.3	0.90	600	100	25	40	.....	60	2.50
WL-808	7.5	4.00	1500	150	50	150	47	30	10.75
WL-809	6.3	2.50	750	100	25	55	50	60	4.00
WL-810	10.0	4.50	2000	250	125	375	36	30	14.50
WL-811	6.3	4.00	1250	125	40	115	160	60	3.30
WL-812	6.3	4.00	1250	125	40	115	29	60	3.00
WL-813	10.0	5.00	2000	180	100	260	.....	30	16.00
WL-814	10.0	3.25	1250	150	50	130	.....	30	14.25
WL-815	6.3	1.60	400	150	20	44	.....	150	6.90
WL-826	7.5	4.00	1000	65	60	25	31	250	12.50
WL-828	10.0	3.25	1250	160	70	150	.....	30	13.75
WL-829B	6.3	1.125	750	240	40**	87**	.....	200	16.25
WL-832A	6.3	0.80	750	90	15	26	.....	200	11.75
WL-833A	10.0	10.00	4000	500	400	1440	35	20	49.50
WL-837	12.6	0.70	500	80	12	20	.....	20	4.75
WL-838	10.0	3.25	1250	175	100	130	54	30	13.75
WL-845	10.0	3.25	1250	120	100	57	5.3	.....	13.75
WL-849	11.0	5.00	2500	350	400	560	19	3	138.00
WL-851	11.0	15.50	2500	1000	750	1750	20.5	3	253.00
WL-860	10.0	3.25	3000	150	100	200	.....	30	34.50
WL-861	11.0	10.00	3500	350	400	800	.....	20	178.25
WL-862A	33.0	207.0	20000	10000	100000	100000	45	1.6	1,150.00
WL-880	12.6	315.00	10500	6000	20000	45000	20	25	483.00
WL-889A	11.0	120.00	8500	2000	5000	10000	21	50	210.50
WL-889RA	11.0	120.00	8500	2000	5000	10000	21	40	308.00
*WL-891	22.0	60.00	12000	2000	6000	12000	8	1.6	223.00
*WL-891R	22.0	60.00	10000	2000	4000	11000	8	1.6	377.75
*WL-892	22.0	60.00	15000	2000	10000	20000	50	1.6	223.00

See notes at end of this table on next page.

(PLIOTRONS continued on next page)

Prices subject to change without notice.



# WESTINGHOUSE ELECTRONIC TUBES



WL-880



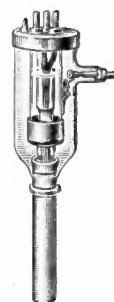
WL-889A

## PLIOTRONS— Cont'd

MODULATORS

AMPLIFIERS

OSCILLATORS



WL-891, 892



WL-892R

Type Number	Filament		Max. Plate D-C** Volts	Max. Plate D-C** Ma.	Max. Plate Diss** Watts	Plate Output Watts Class C	Amp. Factor	Max. MC For 100% Input	List Prices
	Volts	Amps.							
★WL-892R	22.0	60.00	12500	2000	4000	14000	50	1.6	\$ 377.75
†WL-893A	20.0	183.00	20000	4000	20000	50000	36	5	630.00
†WL-893AR	20.0	183.00	20000	4000	20000	50000	36	5	1,150.00
†WL-895	19.0	138.00	17000	9000	40000	100000	37	6	866.00
†WL-895R	19.0	138.00	17000	9000	20000	90000	37	6	1,180.00
WL-1000T	7.5	17.0	7500	750	1000	3000	35	50	125.00
WL-1623	6.3	2.50	750	100	25	55	20	60	4.05
WL-5604#	11.0	176.00	12500	3000	10000	22500	19.5	22.5	540.00
WL-5619	11.0	176.0	12500	3000	20000	22500	19.5	22.5	390.00
WL-5671#	11.0	285.0	15000	8000	25000	75000	39	10	1,425.00
★WL-5705	22.0	60.0	15000	2000	10000	20000	50	1.6	223.00
*WL-5706#	22.0	60.0	12500	2000	4000	14000	50	1.6	377.75
WL-5736#	6.0	60.0	5000	1400	2500	3900	22	60	144.00
WL-8000	10.0	4.50	2000	250	125	375	16.5	30	14.50
WL-8003	10.0	3.25	1350	250	100	256	12	30	13.00
WL-8005	10.0	3.25	1250	200	75	170	20	60	7.40
WL-8025A	6.3	1.92	1000	80	40	35	18	500	10.00

▲ Demonstration Triode.

\*\* Max. C.C.S. ratings in Class C oscillator service.

★ Two filament strands in series with large post at neutral junction; operate in series at 22 volts or two phase with 11 volts per strand.

★★ This rating applies only with forced air cooling.

° Per unit, heater can be arranged to operate from either a 6.3 or 12.6 volt supply.

† Six filament strands connected from each post to floating neutral. See individual data sheets for connections.

‡ Three filament terminals Y-connected in 3 phase.

¶ Three filament terminals Y-connected in 3 phase with neutral center terminal.

# or R Indicates forced air-cooled radiator.

## KENOTRONS — Vacuum Rectifiers



WL-456

Type Number	Filament		Anode		Amp. Average	Type of Cooling	List Price
	Volts	Amperes	Volts Peak Inverse	Amp. Peak			
WL-456	11.0	20	140000	0.50	0.06	Air	\$100.00
WL-481	2.5	5	25000	0.015	0.005	Air	4.50
WL-579B	2.5	6	20000	0.27	0.025	Air	13.20
WL-585	5.0	1.1	1500	0.011	0.003	Air	17.25
WL-608		REPLACEMENT ONLY					168.00
WL-612		REPLACEMENT ONLY					299.00
WL-613		REPLACEMENT ONLY					210.00
WL-616	20.0	24.5	150000	0.75	0.25	Air	230.00
WL-660	10.0	10	230000	0.10	0.03	Air	273.00
WL-836	2.5	5	5000	1.0	0.25	Air	8.25
WL-8020	5.0	6	40000	0.75	0.1	Air	22.00

## PHANOTRONS — Gas and Mercury Vapor Rectifiers

Type Number	Filament		Anode		Amp. Average	Type of Cooling	List Price
	Volts	Amperes	Volts Peak Inverse	Amp. Peak			
WL-5558/32	5.0	4.5	1000	15	2.5	Convection	\$14.00
WL-5561/104	5.0	10.0	3000	40	6.4	Convection	38.00
WL-575A	5.0	10.0	15000	6	1.5	Convection	25.25
WL-670A	2.5	24	1000	9.5	6.0	Air	15.75
WL-816	2.5	2	5000	.5	.125	Air	1.30
WL-857B	5.0	30	22000	40	10.0	Forced Air	209.00
WL-866A	2.5	5	10000	1	0.25	Air	1.95
WL-869B	5.0	18	20000	10	2.5	Forced Air	132.00
WL-872A/872	5.0	7.5	10000	5	1.25	Air	8.20
WL-8008	Same as WL-872A/872 except for Base						8.20



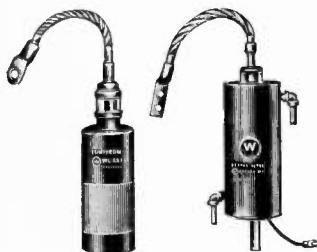
WL-866A



WL-872A/872



# WESTINGHOUSE ELECTRONIC TUBES



WL-5550/681 WL-5552/651

## IGNITRONS

### WELDER CONTROL SERVICE

Type Number	Size	RMS Volts Range	Max. KVA Demand and Corresponding Average Current		Max. Aver. Current and Corresponding KVA Demand		Type Cooling	List Price
			KVA	Amps	KVA	Amps		
WL-5550/681	A	200-600	300	12.1	100	22.4	Clamp	\$ 44.00
WL-5551/652	B	200-600	600	30.2	200	56	Water	73.50
WL-5552/651	C	200-600	1200	75.6	400	140	Water	110.00
WL-5553/655	D	200-600	2400	192.0	800	355	Water	241.00
WL-5554/679		2400	1200	75.0	300	113	Water	173.00
WL-5555/653B		2400	2400	135.0	1105	207	Water	336.00
WL-654/659		Replacement only						100.00



WL-5555/653B

## IGNITRONS

### POWER RECTIFICATION SERVICE

Type Number	D-C Output Voltage	Max. Average Amps Per Tube			Type Cooling	List Price
		Continuous	2-Hour Overload	1 Min. Overload		
WL-5554/679	300 600	100 75	150 112.5	200 150	Water Water	\$173.00
WL-5555/653B	300 600	200 150	300 225	400 300	Water Water	336.00

## MISCELLANEOUS



KX-642

Type Number	Use	Cathode	D-C Anode Volts Min	D-C Operating Current Ma.	D-C Operating Volts	Regulation Volts (5-40 Ma)	List Price
OA3/VR75	Voltage Regulator	Cold	105	5-40	75	5	\$1.35
OC3/VR105	Voltage Regulator	Cold	133	5-40	105	2	1.35
OD3/VR150	Voltage Regulator	Cold	185	5-40	150	4	1.30

Type Number	Use	Volts, RMS		Current		List Price
		Breakdown	Maximum Operating	Maximum 2 Sec.	Maximum 10 Min.	
KX-642	Protector	300-500	230	50 Amps.	7 Amps.	\$12.60

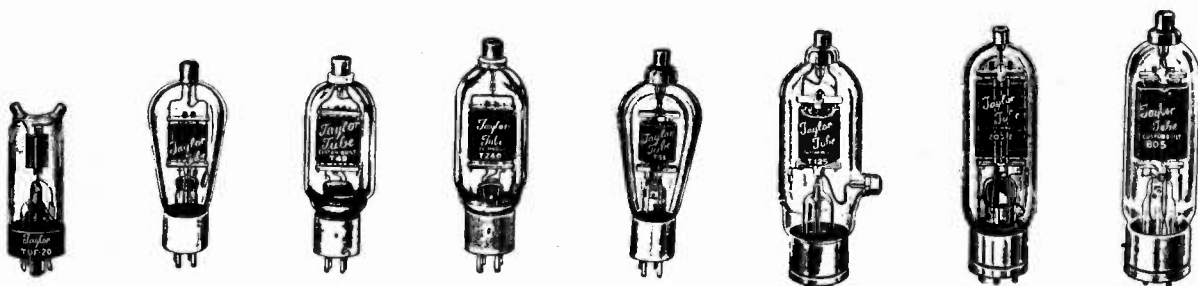
Prices subject to change without notice.



# Taylor

## CUSTOM BUILT

# Tubes



TAYLOR TUBE DISTRIBUTORS ARE AUTHORIZED TO REPRESENT THE FACTORY AS SALES AGENTS IN SOLICITING AND HANDLING BUSINESS WITH ELECTRONIC EQUIPMENT MANUFACTURERS.

### TRIODES

Type	—Filament—		—Max. Plate—			Max. Grid Drive Watts	Amp. Factor	Base	—Size—		Max. Mg. For 100% Input	Price
	Volts	Amps	Dissipation Watts	D.C. Volts	D.C. M.A.				L.	D.		
TUF-20	6.3	2.75	20	750	100	6.0	10	OCTAL	3.75	1.5	250	\$5.50
T-20	7.5	1.75	20	750	85	3.5	20	4 P.MED.	6.0	2.37	60	2.75
TZ-20	7.5	1.75	20	750	85	3.5	62	4 P.MED.	6.0	2.37	60	2.75
T-40	7.5	3.0	40	1500	150	9.0	25	4 P.MED.	6.25	2.5	60	3.95
TZ-40	7.5	3.0	40	1500	150	9.0	62	4 P.MED.	6.25	2.5	60	3.95
T-55	7.5	3.0	55	1500	165	7.0	20	4 P.MED.	7.0	2.62	125	6.50
T-60	10.0	3.0	60	1500	160	9.0	15	4 P.MED.	6.75	2.5	60	7.00
TW-75	7.5	4.15	75	2000	175	13.0	20	4 P.MED.	6.25	3.25	125	9.00
T-100	10.0	3.0	75	1500	150	9.0	23	4 P.MED.	7.62	2.67	60	12.50
T-125	10.0	4.5	125	2500	250	12.5	25	4 P.JUM.	8.25	3.0	60	13.50
TW-150	10.0	4.1	150	3000	200	17.0	35	4 P.JUM.	8.75	3.87	60	16.00
T-200	10.0	5.75	200	2500	350	20.0	17	4 P.JUM.	9.5	3.75	30	21.50
203A	10.0	3.25	100	1250	175	10.0	25	4 P.JUM.	7.5	2.32	20	12.00
HD203A	10.0	4.0	150	1750	250	15.0	25	4 P.JUM.	9.5	2.5	20	14.50
HD203C	10.0	4.0	150	1750	250	15.0	25	4 P.JUM.	9.5	2.5	20	14.50
203Z	10.0	3.25	75	1250	175	10.0	85	4 P.JUM.	8.25	2.32	20	9.00
211	10.0	3.25	100	1250	175	10.0	12	4 P.JUM.	7.5	2.32	20	12.00
211C	10.0	3.25	100	1250	175	10.0	12	4 P.JUM.	7.5	2.32	20	12.50
HD211C	10.0	4.0	150	1750	175	15.0	12	4 P.JUM.	9.5	2.5	20	14.50
T-300	10-11	6.0	300	3000	300	18.0	23	4 P.JUM.	12.0	4.87	30	30.00
805	10.0	3.25	125	1750	210	10.0	45	4 P.JUM.	8.5	2.32	30	10.00
810	10.0	4.5	125	2250	275	15.0	36	4 P.JUM.	8.75	3.0	30	12.50
814	10.0	4.0	200	2500	300	17.0	12	4 P.JUM.	9.0	2.62	30	18.50
822	10.0	4.0	200	2500	300	17.0	30	4 P.JUM.	9.0	2.62	30	18.50
822-S	10.0	4.0	200	2500	300	17.0	30	4 P.JUM.	9.0	3.0	30	21.50
833A	10.0	10.0	400	4000	500	40.0	35	SPEC.	8.62	4.62	75	50.00
838	10.0	3.25	100	1250	175	10.0	45	4 P.JUM.	7.87	2.32	20	12.00
845	10.0	3.25	100	1230	175	10.0	5	4 P.JUM.	7.5	2.32	20	12.00

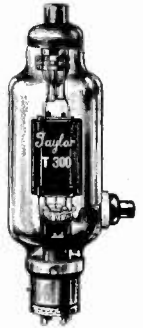


## "More Watts per Dollar"

# Taylor

**CUSTOM  
BUILT**

# Tubes



## TETRODES AND PENTODES

Type	—Filament—		—Max. Plate—			Max. Grid Drive Watts	Amp. Factor	Base	—Size—		Max. Mg. For 100% Input	Price
	Volts	Amps	Dissi- pation Watts	D.C. Volts	D.C. M.A.				L.	D.		
T-21	6.3	0.9	21	400	95	0.4	138	6 PIN	5.37	2.06	60	\$2.50
282-A	10.0	3.0	75	1000	100	8.0	100	4 P.MED.	6.75	2.25	50	22.50
803	10.0	5.0	125	2000	160	4.0		5 P.JUM.	9.37	2.56	20	21.00
813	10.0	5.0	100	2000	180	1.5		7 P.JUM.	7.5	2.56	30	14.50

## HALF WAVE RECTIFIERS AND \*CONTROL TUBES

Type	—Filament—		—Anode—		Amps. Average	Base	Price
	Volts	Amps	Volts Peak Inverse	Amps. Peak			
866 JR	2.5	2.5	5000	.5	.125	4 P.Med.	\$1.25
866A	2.5	5.0	10000	1.0	.250	4 P.MED.	1.75
249B	2.5	7.5	10000	1.5	.375	4 P.MED.	5.00
872A	5.0	6.75	10000	5.0	1.25	4 P.JUM.	7.50
800S	5.0	6.75	10000	5.0	1.25	SPEC.	7.50
875A	5.0	10.0	15000	6.0	1.5	4 P.JUM.	30.00
*TT-17	2.5	5.0	2500	2.0	0.5	4 P.MED.	6.50
*873	5.0	6.75	3000	10.0	2.5	4 P.JUM.	17.25

## TRIODES — CLASS B AUDIO (Ratings for 2 Tubes)

Type	Max. Plate Volts	Max. Plate Curr.	Zero Sig. Plate Curr.	Max. Sig. Drive Power Watts	Bias Volts	Plate To Plate Load Ohms	Power Output Watts
TZ-20	800	136	20	1.8	0	12,000	70
	1000	280	35	5.5	0	7,350	175
TZ-40	1250	280	32	6.0	-4.5	10,000	225
	1500	250	28	6.0	-9	12,000	250
838	1000	320	70	7.0	0	6,900	200
	1250	320	100	7.5	0	9,000	260
203Z	1000	350	36	6.5	0	6,200	230
	1250	350	30	6.75	-4.5	8,000	300
805	1250	400	102	6.0	0	6,700	300
	1500	400	48	7.0	-16	8,200	370
810	1500	500	52	12	-30	6,600	510
	2000	500	50	7.2	-45	9,500	720
822	2500	500	50	7.4	-57.5	12,000	900
	3000	450	50	8.0	-67.5	16,000	1000

## Ask for the Taylor Tubes Manual



233



857B



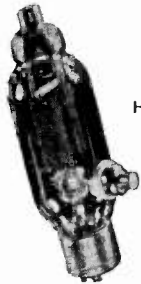
HF300



575A



805



HF200

# AMPEREX

## RADIATION COOLED TYPES

TYPE NO.	PRICE	FILAMENT	
		Volts	Amps.
AB-150	\$20.00	10.0	3.25
HF-60	7.00	10.0	2.50
HF-100	13.50	10.0	2.50
HF-120	15.00	10.0	3.25
HF-125	20.00	10.0	3.25
HF-130	17.50	10.0	3.25
HF-140	15.00	10.0	3.25
HF-150	17.50	10.0	3.25
HF-175	20.00	10.0	4.00
HF-200	24.50	10.5	4.00
HF-201A	24.50	10.0	4.00
HF-250	27.50	10.5	4.00
HF-300	35.00	11.0	4.00
ZB-60	7.00	6.3	4.00
ZB-120	12.50	10.0	2.50
111H	15.00	10.0	2.50
203A	13.75	10.0	3.25
203H	20.00	10.0	3.25
204A	115.00	11.0	3.85
211	13.75	10.0	3.25
211C	17.50	10.0	3.25
211D	15.00	10.0	3.25
211H	17.50	10.0	3.25
212E, F	90.00	14.0	6.00
241B	90.00	11.0	6.00
242C	13.50	10.0	3.25
251A	234.00	10.0	16.00

TYPE NO.	PRICE	FILAMENT	
		Volts	Amps.
261A	\$17.50	10.0	3.25
270A	194.70	10.0	9.75
276A	15.00	10.0	3.25
279A	374.00	10.0	21.00
304B	14.50	7.5	3.25
308B	90.00	14.0	6.00
5331	8.50	10.0	2.5
5332	8.00	10.0	2.5
801A	3.75	7.5	1.25
803	24.25	10.0	5.0
805	13.50	10.0	3.25
807	2.50	6.3	0.9
810	14.50	10.0	4.50
811	3.30	6.3	4.0
812	4.05	6.3	4.0
813	16.00	10.0	5.0
830B	11.50	10.0	2.50
833A	49.50	10.0	10.00
834	14.50	7.5	3.25
838	13.75	10.0	3.25
841	4.35	7.5	1.25
845	13.75	10.0	3.25
849	138.00	11.0	5.00
849A	135.00	11.0	7.70
849H	135.00	10.0	11.50
851	253.00	11.0	15.50
8005	7.40	10.0	3.25

FULLY INTERCHANGEABLE: Type 203H with Amperex HF125, Type 211 C with Amperex HF130, Type 211H with Amperex HF150.

## FORCED-AIR COOLED TYPES

TYPE NO.	PRICE	FILAMENT	
		Volts	Amps.
889RA*	\$308.00	11.0	125.0
891R*	377.75	11.0▼	60.0
892R*	377.75	11.0▼	60.0
893AR*	1150.00	10.0‡	61.0

TYPE NO.	PRICE	FILAMENT	
		Volts	Amps.
8002R	\$158.00	16.0	38.0
HF3000§	300.00	21.5	40.5
ZB3200§	300.00	21.5	40.5

\* Credits will be allowed for return of radiator and crate in good condition prepaid to factory in Brooklyn, N. Y., in accordance with this schedule.

\$30.00 for Type No. 889-RA

45.00 " " Nos. 891-R, 892-R

50.00 " " Nos. 220-R, 228-R

150.00 " " No. 893-AR

▼Single or two-phase filament (two units); voltage is per unit.

‡Single-, three- or six-phase filament (three sections). Voltage is per section.

§All glass radiation and air-cooled transmitting tubes.

HELPFUL CHARTS AND LITERATURE FREE: Write for set of INTERCHANGEABILITY CHARTS, information at a glance, RAPID TUBE DATA REFERENCE TABLES, 8 pages of condensed information arranged for quick reference. Address your distributor of Amperex direct.



HF60

VC25  
VC50  
VC100

3C22



813



833A



838



845



866A/866

# ELECTRONIC TUBES

COMMUNICATION - RECTIFICATION - INDUSTRIAL  
ELECTRO-MEDICAL - SPECIAL PURPOSE

## WATER COOLED TYPES

TYPE NO.	PRICE	FILAMENT	
		Volts	Amps.
207	\$242.00	22.0	52.0
220C	350.00	21.5	41.0
228A	290.00	21.5	41.0
232C	450.00	20.0	72.0
233	500.00	24.0	70.0
342A	450.00	20.0	67.0
343A	350.00	21.5	57.5
846	250.00	11.0	51.0
858	500.00	22.0	52.0
859	400.00	11.0▼	71.0
889A	210.50	11.0	125.0
891	223.00	11.0▼	60.0
892	223.00	11.0▼	60.0
893A	630.00	10.0†	61.0

▼ Single or two-phase filament (two units); voltage is per unit.  
† Single, three- or six-phase filament (three sections). Voltage is per section.

## RADIATION COOLED HIGH VACUUM RECTIFIERS

TYPE NO.	PRICE	FILAMENT	
		Volts	Amps.
217C	\$21.50	10	3.25
221A	20.00	5	10
404	190.00	20	35
836	8.25	2.5	5
1616	8.65	2.5	5.0
8020	22.00	5	6

## HIGH VACUUM CONDENSERS

TYPE NO.	CAPACITY	RATING	PRICE
VC25	25 uuf	32,000 Volts Peak	\$19.00
VC50	50 uuf	32,000 Volts Peak	22.50
VC100	100 uuf	32,000 Volts Peak	27.50

## MERCURY VAPOR RECTIFIERS

TYPE NO.	PRICE	FILAMENT	
		Volts	Amps.
249B, C	\$7.00	2.5	7.50
258B	9.85	2.5	7.50
266B, C	190.00	5.0	42.0
267B	23.00	5.0	6.75
315A	35.00	5.0	10.00
575A	24.25	5.0	10.00
673	24.25	5.0	10.00
816	1.30	2.5	2.00
857B	209.00	5.0	30.00
866A/866	1.95	2.5	5.00
869B	132.00	5.0	20.00
872A/872	8.25	5.0	6.75
8008	8.25	5.0	6.75

## WATER COOLED— HIGH VACUUM RECTIFIERS

TYPE NO.	PRICE	FILAMENT	
		Volts	Amps.
222A	\$235.00	21.5	41.0
237A	435.00	20.0	61.0
562	300.00	22.0	52.0

## WATER JACKETS

TYPE NO.	Suitable for these Amperex types:
DW-1580	207, 494, 495, 496, 497, 891, 892,
DW-2000	220C, 222A, 232C, 233, 237A, 342A, 343A.
DW-2100	889A.
DW-2200	501, 502, 8002.
DW-2500	858, 859, 562A.
DW-2600	846.

NOTE: Amperex Water Jackets fit interchangeable tube types of other makers.



869B



872A/872



889A



889R-A



891  
892



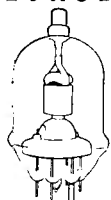
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892R



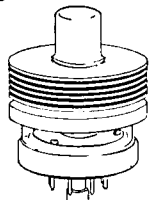
# AMPEREX

ELECTRONIC CORPORATION

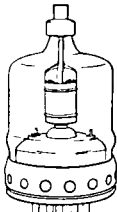
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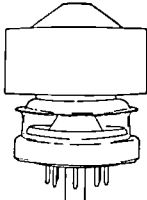
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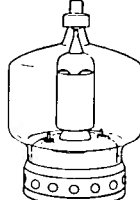
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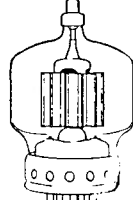
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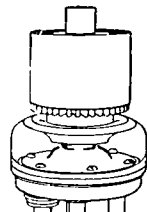
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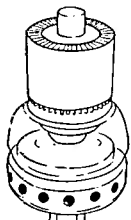


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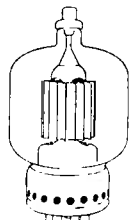


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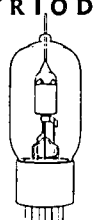
### TRIODES



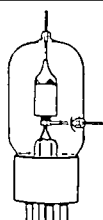
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25T



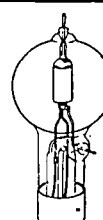
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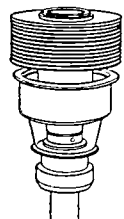
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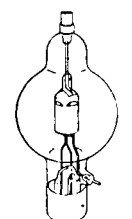
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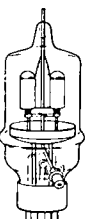
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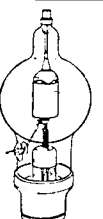
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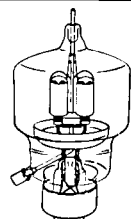
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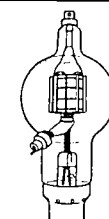
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250T



304T

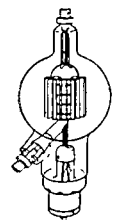


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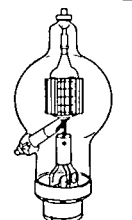


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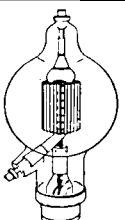
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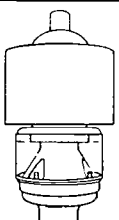
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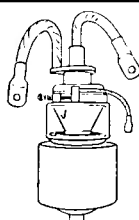
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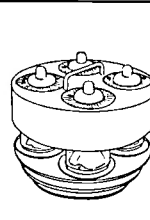
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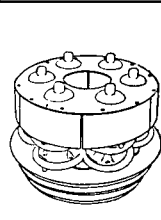
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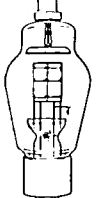
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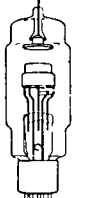
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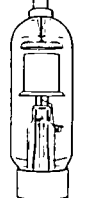
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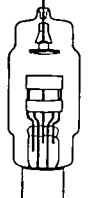
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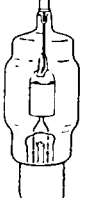
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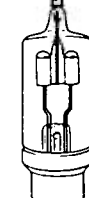
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KY21A

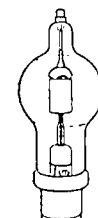


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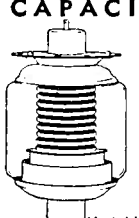


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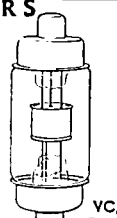
### CAPACITORS



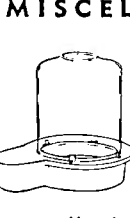
250R



Variable Vacuum Capacitor



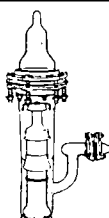
VC, Fixed, Vacuum Capacitor



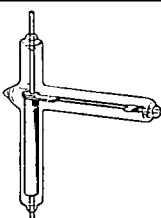
Air-system Sockets



HR, Heat Dissipating Connectors



Diffusion Pump



Vacuum Switch

### MISCELLANEOUS

# EIMAC TRANSMITTING TUBES

EIMAC TUBE TYPES		MAXIMUM RATINGS						ELECTRICAL CHARACTERISTICS						DIMENSIONS		TUBE PRICE	RECOMMENDED HR. HEAT DISSIPATING CONNECTORS		
		PLATE DISSIPATION, WATTS	PLATE VOLTAGE	PLATE CURRENT MILLIAMPERES	GRID DISSIPATION, WATTS	SCREEN VOLTAGE	SCREEN DISSIPATION, WATTS	FILAMENT, VOLTS	FILAMENT, AMPERES	AMPLIFICATION FACTOR	GRID-PLATE, MMF	INPUT, MMF	OUTPUT, MMF	TRANSCONDUCTANCE, UMHOS	LENGTH, INCHES		DIAMETER, INCHES	PLATE	GRID
TETRODES	4-65A	65	3000	150	5	400	10	6.0	3.5	5	0.08	8.0	2.1	4000	4.25	2.31	\$ 14.50	HR6	.....
	4X100A*	100	1000	250	2	300	15	6.0	2.8	4.5	0.02	14.1	4.7	12,000	2.87	1.64	30.00	.....	.....
	4-125A	125	3000	225	5	400	20	5.0	6.5	6.2	0.05	10.8	3.1	2450	5.69	2.87	27.50	HR6	.....
	4X150A*	150	1000	250	2	300	15	6.0	2.8	4.5	0.02	14.1	4.7	12,000	2.47	1.64	34.00	.....	.....
	4-250A	250	4000	350	5	600	35	5.0	14.5	5.1	0.12	12.7	4.5	4000	6.38	3.56	37.50	HR6	.....
	4-400A	400	4000	350	5	600	35	5.0	14.5	5.1	0.12	12.5	4.7	4000	6.38	3.56	55.00	HR6	.....
	4X500A*	500	4000	350	10	500	30	5.0	13.5	6.2	0.05	12.8	5.6	5200	4.75	2.63	97.50	.....	.....
	4X500F*	500	4000	350	10	500	30	5.0	12.2	6.2	0.05	11.1	3.7	5200	5.38	2.75	85.00	.....	.....
	4-1000A	1000	6000	700	25	1000	75	7.5	21	7.2	0.24	27.2	7.6	10,000	9.5	5.12	120.00	HR8	.....
TRIODES	25T	25	2000	75	7	.....	.....	6.3	3.0	24	1.5	2.7	0.3	2500	4.38	1.43	8.00	HR1	.....
	3C24	25	2000	75	8	.....	.....	6.3	3.0	23	1.5	1.7	0.3	2500	4.38	1.43	8.00	HR1	HR1
	35T	50	2000	150	15	.....	.....	5.0	4.0	39	1.8	4.1	0.3	2850	5.5	1.81	9.50	HR3	.....
	35TG	50	2000	150	15	.....	.....	5.0	4.0	39	1.8	2.5	0.4	2850	5.75	1.81	10.00	HR3	HR3
	75TH	75	3000	225	16	.....	.....	5.0	6.25	20	2.3	2.7	0.3	4150	7.25	2.81	12.00	HR3	HR2
	75TL	75	3000	225	13	.....	.....	5.0	6.25	12	2.4	2.6	0.4	3350	7.25	2.81	12.00	HR3	HR2
	2C39*	100	1000	100†	3	.....	.....	6.3	1.1	100	1.9	6.5	0.03	17,000	2.75	1.26	33.00	.....	.....
	100TH	100	3000	225	20	.....	.....	5.0	6.3	40	2.0	2.9	0.4	5500	7.75	3.19	16.50	HR6	HR2
	100TL	100	3000	225	15	.....	.....	5.0	6.3	14	2.0	2.3	0.4	2300	7.75	3.19	16.50	HR6	HR2
	152TH	150	3000	450	30	.....	.....	5 or 10	12.5 or 6.2	20	4.8	5.7	0.8	8300	7.63	3.0	26.00	HR5	HR6
	152TL	150	3000	450	25	.....	.....	5 or 10	12.5 or 6.2	12	4.4	4.5	0.7	7150	7.63	3.0	26.00	HR5	HR6
	250TH	250	4000	350	40	.....	.....	5.0	10.5	37	2.9	5.0	0.7	6650	10.13	3.81	30.00	HR6	HR3
	250TL	250	4000	350	35	.....	.....	5.0	10.5	14	3.1	3.7	0.7	2650	10.13	3.81	30.00	HR6	HR3
	304TH	300	3000	900	60	.....	.....	5 or 10	25 or 12.5	20	10.2	13.5	0.7	16,700	7.63	3.56	55.00	HR7	HR6
	304TL	300	3000	900	50	.....	.....	5 or 10	25 or 12.5	12	9.1	8.5	0.6	16,700	7.63	3.56	55.00	HR7	HR6
	450TH	450	6000	600	80	.....	.....	7.5	12.0	38	5.0	8.8	0.8	6650	12.63	5.13	70.00	HR8	HR8
	450TL	450	6000	600	65	.....	.....	7.5	12.0	18	5.2	7.3	0.9	6060	12.63	5.13	70.00	HR8	HR8
	750TL	750	10,000	1000	100	.....	.....	7.5	21.0	15	5.8	8.5	1.2	3500	17.0	7.13	125.00	HR8	HR8
	1000T	1000	7,500	750	80	.....	.....	7.5	17.0	35	5.1	9.3	0.5	9050	12.63	5.13	125.00	HR9	HR9
	1500T	1500	8,000	1250	125	.....	.....	7.5	24.0	24	7.2	9.9	1.5	10,000	17.0	7.13	200.00	HR8	HR9
	2000T	2000	8,000	1750	150	.....	.....	10.0	25.0	23	8.5	12.7	1.7	11,000	17.75	8.13	250.00	HR8	HR9
	3X2500A3*	2500	6,000	2000	150	.....	.....	7.5	48	20	20	48	1.2	20,000	9.0	4.16	180.00	.....	.....
	3X2500F3*	2500	6,000	2000	150	.....	.....	7.5	48	20	20	48	1.2	20,000	9.0	4.16	180.00	.....	.....
	3X12500A3*	12,500	6,000	8000	600	.....	.....	7.5	192	20	95	240	5	80,000	9.5	11.06	875.00	.....	.....
	3X20000A3*	20,000	6,000	12,000	900	.....	.....	7.5	288	20	.....	.....	.....	120,000	10.0	12.5	1275.00	.....	.....

\*External Anode requiring forced air cooling.  
†Cathode Current

## EIMAC RECTIFIERS

	MERCURY VAPOR RECTIFIERS				HIGH VACUUM RECTIFIERS			
	866A (866)	RX21A (RX21)	872A (872)	KY21A (KY21) (Grid Control)	2-01C	100-R	2-150D (152-RA)	250-R
Filament Voltage	2.5	2.5	5.0	2.5	6.3	5.0	5.0	5.0
Filament Current	5.0 amp	10 amp	7.5 amp	10 amp	0.4	6.5	13.0	10.5
Peak Inverse Voltage	10,000	11,000	10,000	11,000	1000	40,000	30,000	60,000
Peak Plate Current	1.0 amp	3 amp	5.0 amp	3 amp	0.010 amp	.....	.....	.....
Average Plate Current	25 amp	75 amp	1.25 amp	75 amp	.....	100 amp	150 amp	250 amp
Price	\$1.75	\$8.00	\$7.50	\$12.00	\$6.75	\$13.50	\$17.50	\$20.00

## EIMAC VACUUM CAPACITORS

	VARIABLE	FIXED							
Type	VVC60	VC6-20	VC12-20	VC25-20	VC50-20	VC6-32	VC12-32	VC25-32	VC50-32
Capacity	10-60 mmf	6-mmf	12-mmf	25-mmf	50-mmf	6-mmf	12-mmf	25-mmf	50-mmf
Rating	20-KV	20-KV	20-KV	20-KV	20-KV	32-KV	32-KV	32-KV	32-KV
Price	.....	\$13.50	\$15.00	\$18.00	\$22.00	\$15.50	\$18.00	\$21.00	\$25.00

## HEAT DISSIPATING CONNECTORS

Type	Hole Dia.	Price	HR-5	.125"	\$ .80
HR-1	.052"	\$ .60	HR-6	.360"	.80
HR-2	.0625"	.60	HR-7	.125"	1.60
HR-3	.070"	.60	HR-8	.570"	1.60
HR-4	.1015"	.80	HR-9	.570"	3.00

## DIFFUSION PUMP

HV-1 Diffusion Pump An air-cooled, oil diffusion type, vacuum pump. Ultimate vacuum, $4 \times 10^{-7}$ mm of mercury. Speed (without baffle) approx. 67 liters/seconds.	\$125.00
100 IG, Ionization Gauge An electronic vacuum pressure gauge. Filament voltage 3.5 to 7.5 volts.	\$22.50
Eimac Pump Oil A	\$5.00 qt.

## AIR SYSTEM SOCKETS

Complete Assembly	
4-400A/4000	\$16.00
4-1000A/4000	22.50
Replacement Chimney	
4-400A/4006	6.00
4-1000A/4006	7.50

## EIMAC VACUUM SWITCHES

Type	General Data	Price
VS-2	Single pole double throw switch within a high vacuum adaptable for high voltage switching. Contact spacing .015". Switch will handle R.F. potentials as high as 20 Kv in DC switching will handle approximately 1.5 Amps at 5 Kv.	\$12.00
VS-1	Same as above except for slightly smaller glass tubulation.	

Long the criteria of good design in any electronic equipment, Eimac tubes are today the undisputed leaders of their field. Complete data on any of the Eimac products listed is available by writing direct.

**EITEL-McCULLOUGH, Inc.**

Follow the Leaders to

**Eimac**  
TUBES  
The Power for R-F

# OLDEST MANUFACTURER SPECIALIZING IN RADIO RECEIVING TUBES



SYMBOL  
OF QUALITY  
SINCE 1921

ORIGINATOR  
OF THE FAMOUS  
BANTAM GT

## HYTRON RECEIVING TUBE PRICE LIST

EFFECTIVE FEB. 1, 1949

TYPE	LIST PRICE	TYPE	LIST PRICE	TYPE	LIST PRICE	TYPE	LIST PRICE	TYPE	LIST PRICE
OZ4	\$1.65	6A7	\$2.00	6N7GT	\$2.40	7R7	\$2.20	33	\$3.20
OZ4G	1.65	6A8	2.00	6P5GT	2.40	7S7	2.65	34	3.20
IA4P	3.90	6A8G	2.00	6Q7	2.00	7V7	2.65	35/51	2.00
IA5GT	1.80	6A8GT	2.00	6Q7G	1.80	7W7	2.65	35A5	1.80
IA6	3.55	6AC5GT	2.90	6Q7GT	1.80	7X7(XXFM)	2.65	35B5	2.00
IA7GT	2.00	6AC7/1852	2.90	6R7	2.65	7Y4	1.80	35C5	2.00
IB3GT/8016	3.20	6AD7G	3.20	6R7GT	2.65	7Z4	1.80	35L6GT	1.65
IB4P	3.90	6AG5	2.65	6S7G	3.20	12A7	3.20	35W4	1.25
IB5/25S	3.20	6AG7	3.20	6S8GT	2.65	12A8GT	2.00	35Y4	1.80
IC5GT	2.20	6AH6	3.90	6SA7	1.65	12AL5	2.00	35Z3	1.80
IC6	3.20	6AK5	3.90	6SA7GT	1.65	12AT6	1.50	35Z4GT	1.50
IC7G	3.20	6AK6	2.40	6S8Y7	2.40	12AT7	2.90	35Z5GT	1.25
ID5GP	3.90	6AL5	2.00	6SC7	2.00	12AU6	2.00	36	2.65
ID7G	3.20	6AL7GT	2.65	6SD7GT	2.90	12AU7	2.40	37	1.80
ID8GT	3.90	6AQ5	2.00	6SF5	1.65	12AV6	1.50	38	2.20
IF4	2.65	6AQ6	1.80	6SF5GT	1.80	12BA6	1.80	39/44	2.65
IF5G	2.65	6AQ7GT	2.40	6SF7	2.00	12BE6	1.80	41	1.65
IF6	3.90	6AR5	1.65	6SG7	2.00	12F5GT	1.80	42	1.65
IF7G	3.90	6AS5	2.00	6SH7	2.20	12J5GT	1.50	43	1.65
IG4GT	2.65	6AT6	1.50	6SJ7	1.65	12J7GT	2.00	45	1.65
IG6GT	2.65	6AU6	2.00	6SJ7GT	1.65	12K7GT	1.65	45Z5GT	1.80
IH4G	2.20	6AV6	1.50	6SK7	1.65	12K8	2.40	46	2.65
IH5GT	1.65	6B4G	3.20	6SK7GT	1.65	12K8GT	2.40	47	2.40
IH6GT	3.20	6B5	3.90	6SL7GT	2.40	12Q7GT	1.80	50A5	2.20
IJ6GT	3.20	6B6G	2.20	6SN7GT	2.20	12SA7	1.65	50B5	2.00
IL4	2.00	6B7	3.20	6SQ7	1.50	12SA7GT	1.65	50C5	2.00
ILA4	2.65	6B8G	3.20	6SQ7GT	1.50	12SF5GT	2.00	50L6GT	1.65
ILA6	2.65	6BA6	1.80	6SR7GT	1.80	12SF7GT	2.00	50X6	2.20
ILB4	2.65	6BE6	1.80	6SS7	1.80	12SG7	2.00	50Y6GT	1.80
ILC5	2.65	6BG6G	4.80	6SV7	2.90	12SJ7	1.65	53	2.65
ILC6	2.65	6BH6	2.00	6T7G	3.20	12SJ7GT	1.65	56	1.80
ILD5	2.65	6BJ6	2.00	6T8	3.55	12SK7	1.65	57	2.00
ILE3	2.65	6C4	1.65	6U5/6G5	2.00	12SK7GT	1.65	58	2.00
ILG5	2.65	6C5	1.65	6U7G	1.80	12SL7GT	2.40	70L7GT	3.90
ILH4	2.65	6C5GT	1.65	6V6	3.20	12SN7GT	2.20	71A	2.00
ILN5	2.65	6C6	2.00	6V6GT	2.00	12SQ7	1.50	75	1.65
IN5GT	2.00	6C8G	3.20	6W4GT	1.80	12SQ7GT	1.50	76	1.65
IP5GT	2.65	6D6	1.65	6X4	1.50	12Z3	2.65	77	1.65
IQ5GT	2.65	6D8G	3.20	6X5GT	1.50	14A4	2.45	78	1.65
IR4	2.65	6E5	2.20	6Y6G	2.40	14A7/12B7	2.20	80	1.15
IR5	2.00	6F5	1.65	6ZY5G	2.20	14AF7(XXD)	2.20	81	3.90
IS4	2.40	6F5GT	1.65	7A4(XXL)	1.80	14B6	2.20	82	2.65
IS5	1.80	6F6	2.00	7A5	1.80	14B8	2.20	83	2.65
IT4	2.00	6F6G	1.65	7A6	1.80	14C5	2.20	83V	3.20
IT5GT	2.65	6F6GT	1.65	7A7	1.80	14C7	2.20	84/6Z4	1.80
IU4	2.00	6F8G	3.20	7A8	1.80	14E6	1.80	85	2.20
IU5	1.80	6G6G	2.65	7AD7	2.65	14E7	2.20	117L/M7GT	3.90
IV	2.20	6H6	1.65	7AF7	1.80	14F7	2.20	117N7GT	3.90
2A3	3.20	6H6GT	1.65	7AG7	2.20	14F8	2.65	117P7GT	3.90
2A4G	4.80	6J5	1.50	7AH7	2.20	14H7	2.20		
2A5	2.20	6J5GT	1.50	7B4	1.80	14J7	2.65	117Z3	1.50
2A6	2.65	6J6	2.90	7B5	1.80	14N7	2.65	117Z4GT	2.90
2A7	2.65	6J7	2.00	7B6	1.80	14Q7	2.20	117Z6GT	2.40
3A8GT	4.80	6J7G	2.00	7B7	1.80	14R7	2.20	1273	2.40
3Q4	2.20	6J7GT	2.00	7B8	1.80	14S7	2.65	1280	2.40
3Q5GT	2.40	6J8G	3.20	7C5	1.80	14W7	2.65		
3S4	2.00	6K5GT	2.40	7C6	1.80	14Y4	2.20		
3V4	2.00	6K6GT	1.50	7C7	1.80	19	3.20		
5U4G	1.50	6K7	1.65	7E5	2.65	19T8	3.55		
5V4G	2.40	6K7G	1.65	7E6	1.80	24A	2.20		
5W4	2.65	6K7GT	1.65	7E7	2.20	25AC5GT	3.90		
5W4GT	1.65	6K8	2.40	7F7	2.20	25L6GT	1.65		
5X4G	1.80	6K8GT	2.40	7F8	2.65	25Y5	2.90		
5Y3G	1.05	6L5G	2.65	7G7/1232	2.65	25Z5	1.50		
5Y3GT	1.05	6L6	3.55	7H7	2.00	25Z6GT	1.35		
5Y4G	1.50	6L6G	2.90	7J7	2.65	26	1.80		
5Z3	1.80	6L7	2.40	7K7	2.65	27	1.50		
5Z4	2.65	6L7G	2.90	7L7	2.20	30	2.00		
6A3	3.20	6N6G	3.90	7N7	2.20	32	3.55		
6A6	2.65	6N7	2.40	7Q7	1.80	32L7GT	3.20		

### SPECIAL PURPOSE TYPES

TYPE	LIST PRICE
OA2	\$4.35
OA3/VR75	2.65
OB2	4.55
OB3/VR90	2.65
OC3/VR105	2.65
OD3/VR150	2.65
3A5	† 1.95
5R4GY	† 1.50
6AS7G	† 6.75
9001	† 3.10
9002	† 2.50
† Dealer net price, not subject to discount.	

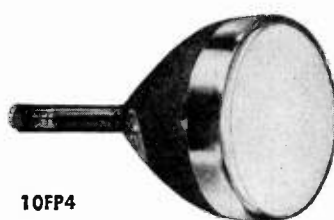
PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

# RAULAND

# Television PICTURE TUBES

## PROVEN DEPENDABILITY • SUPERIOR PERFORMANCE

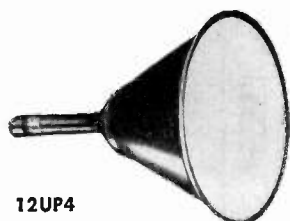
Rauland, a pioneer name in television, identifies a top source of supply for better television picture tubes. The incomparable aluminized "brighter picture" (another Rauland "first") and metal-glass direct view tubes embody the latest advanced engineering practices . . . achieving "Perfection through Research."



10FP4

### 10FP4

Direct view picture tube incorporating new "bright light" aluminized reflector screen. Provides up to 80% brighter picture when used as replacement for 10BP4. No ion magnet required or circuit changes necessary.



12UP4

### 12KP4

Similar to 10FP4 except 12½" diameter. Incorporates aluminized reflector screen. Direct replacement for 12LP4. No ion magnet used or circuit changes necessary.

### 12UP4

12" metal-glass type used as standard equipment in many receivers. Available with conventional screen or new "Luxide Screen" for improved contrast ratio and definition.



16AP4

### 16AP4 & 16EP4

16" metal-glass tubes used in many direct view receivers. 16AP4 has deflection angle of 53°, overall length 22¼"—16EP4 overall length 19¾", deflection angle 60°. Both types available with new "Luxide Screen" for improved contrast ratio and definition.

## COMPLETE DESIGN SPECIFICATIONS AVAILABLE

Rauland engineers are ready at all times to consult with you on technical problems regarding application of picture tubes for replacements or for new receivers. Word from you will bring immediate and helpful response. Design data on all television picture tubes manufactured by Rauland is available upon request.

## *the new* *Luxide* *Screen*

The Luxide Screen is another first by Rauland. Luxide provides greatly increased contrast ratio and improved definition over conventional screen direct view tubes. With the Luxide Screen, the ambient light traveling to the screen is reduced by the absorption percentage of the Luxide Screen and the reduced ambient light reflected back to the viewer from the screen is reduced by the same percentage as it passes through the screen a second time. Contrast ratio is improved over 50% by reason of the cancellation effect. The Luxide Screen also contributes to absence of halation and improved definition.

**Luxide Screens Available on  
12LP4-12UP4-16AP4-16EP4.**

Type No.	Suggested List Price	Dealer Price
10BP4	\$32.20	\$24.75
10FP4	35.00	26.80
12KP4	44.75	34.40
12LP4	42.00	32.35
12LP4-A	43.80	33.70
12UP4	44.75	34.40
12UP4-A } (Luxide)	48.30	37.15
16AP4 } 16EP4 }	73.35	56.40
16AP4-A } 16EP4-A } (Luxide)	76.90	59.15

THE RAULAND CORPORATION

CHICAGO 41, ILL.



# "EL" XENON GAS-FILLED TUBES

## RECTIFIERS



FULL WAVE RECTIFIER  
EL 1C

D.C. Output (Amps.) 1.0  
Peak Anode Current 4.0  
Peak Inverse Volts... 725  
Filament Volts ..... 2.5  
Filament Amperes .... 6.0  
Overall Length ..... 5 1/2"

Price .....\$7.10



FULL WAVE RECTIFIER  
EL 3C

D.C. Output (Amps.) 2.5  
Peak Anode Current 10.0  
Peak Inverse Volts... 725  
Filament Volts ..... 2.5  
Filament Amperes ..... 11.5  
Overall Length ..... 7"

Price .....\$8.90



FULL WAVE RECTIFIER  
EL 6C

D.C. Output (Amps.) 6.4  
Peak Anode Current 25.6  
Peak Inverse Volts... 725  
Filament Volts ..... 2.5  
Filament Amperes .... 17.0  
Overall Length ..... 7 1/2"

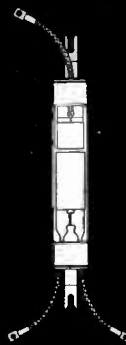
Price .....\$15.70



HALF WAVE RECTIFIER  
EL 6B

D.C. Output (Amps.) 6.4  
Peak Anode Current 40.0  
Peak Inverse Volts... 920  
Filament Volts ..... 2.5  
Filament Amperes .... 21  
Overall Length ..... 9 1/2"

Price .....\$12.40



HALF WAVE RECTIFIER  
EL 16F

D.C. Output (Amps.) 16.0  
Peak Anode Current 96.0  
Peak Inverse Volts... 620  
Filament Volts ..... 2.5  
Filament Amperes .... 36  
Overall Length ..... 15 3/8"

Price .....\$24.30

## GRID CONTROL RECTIFIERS (THYRATRONS)



EL C1J

D.C. Output (Amps.) 1.0  
Peak Anode Current 8.0  
Peak Forward Volts... 450  
Peak Inverse Volts... 700  
Filament Volts ..... 2.5  
Filament Amperes .... 6.3  
Overall Length ..... 4 1/4"

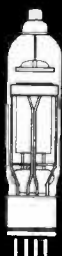
Price .....\$8.20



EL C3J

D.C. Output (Amps.) 2.5  
Peak Anode Current 30.0  
Peak Forward Volts... 750  
Peak Inverse Volts... 1250  
Filament Volts ..... 2.5  
Filament Amperes .... 9.0  
Overall Length ..... 6 1/8"

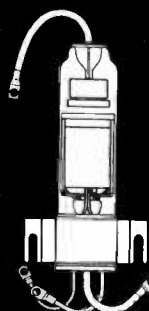
Price .....\$12.15



EL C6J

D.C. Output (Amps.) 6.4  
Peak Anode Current 77.0  
Peak Forward Volts... 750  
Peak Inverse Volts... 1250  
Filament Volts ..... 2.5  
Filament Amperes .... 21.0  
Overall Length ..... 9"

Price .....\$29.50



EL C16J

D.C. Output (Amps.) 16.0  
Peak Anode Current 160.0  
Peak Forward Volts... 1000  
Peak Inverse Volts... 1250  
Filament Volts ..... 2.5  
Filament Amperes .... 31.0  
Overall Length ..... 10"

Price .....\$53.50



EL C6C

D.C. Output (Amps.) 6.4  
Peak Anode Current 77.0  
Peak Forward Volts... 2000  
Peak Inverse Volts... 4000  
Filament Volts ..... 2.5  
Filament Amperes .... 24.0  
Overall Length ..... 11"

Price .....\$40.80

EL C1J/A

D.C. Output (Amps.) 1.0  
Peak Anode Current 8.0  
Peak Forward Volts... 750  
Peak Inverse Volts... 1250  
Filament Volts ..... 2.5  
Filament Amperes .... 6.3  
Overall Length ..... 4 1/4"

Price .....\$8.90

EL C3J/A

D.C. Output (Amps.) 2.5  
Peak Anode Current 30.0  
Peak Forward Volts... 1000  
Peak Inverse Volts... 1250  
Filament Volts ..... 2.5  
Filament Amperes .... 9.0  
Overall Length ..... 6 1/8"

Price .....\$14.20

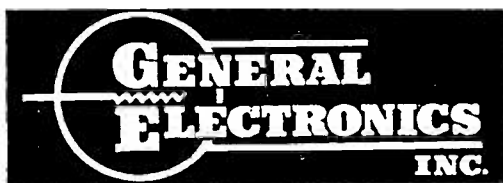
EL C6J/A

D.C. Output (Amps.) 6.4  
Peak Anode Current 77.0  
Peak Forward Volts... 1000  
Peak Inverse Volts... 1250  
Filament Volts ..... 2.5  
Filament Amperes .... 21.0  
Overall Length ..... 9"

Price .....\$30.40

SEND FOR  
DESCRIPTIVE CATALOG

ELECTRONS, INCORPORATED  
127 SUSSEX AVENUE  
NEWARK, N. J.



## TRANSMITTING • THYRATRONS RECTIFIERS • DIATHERMY ELECTRON TUBES

General Electronics electron tubes have been designed by a well known electronic engineer, who was an early pioneer in the development of the tube industry.

Many induction heating applications and diathermy

oscillators and rectifiers have been designed by General Electronics, which means that we are constantly designing tubes for special applications in these various fields.

Inquiries are invited on types not listed, which may be required for special applications.

Type	Description	List Price
DR-3B29	Transmitting diode, pulse rectifier	\$ 15.00
DR-17	Grid controlled rectifier	6.00
DR-100TH	Transmitting triode	16.50
DR-200	Power amplifier, oscillator Class B modulator	21.50
DR-250TH	Transmitting triode amplifier oscillator	30.00
DR-300	Power amplifier, oscillator, Class B modulator	29.50
DR-304TH	Transmitting triode power amplifier	50.00
DR-450TH	Transmitting triode amplifier	70.00
DR-575A	Half-wave mercury-vapor rectifier	28.00
DR-576A	Grid controlled mercury vapor rectifier	150.00
DR-715C	Transmitting pulse modulator tetrode	43.00
DR-757	Grid controlled mercury vapor rectifier	325.00
DR-801A	R-F, A-F power amplifier modulator	3.00
DR-803	R-F power amplifier pentode	21.00
DR-805	Transmitting triode	11.75
DR-808	Transmitting triode	8.50
DR-809	R-F power amplifier, Class B modulator	3.50
DR-810	Transmitting triode	12.50
DR-811	Transmitting triode-high MU	3.50

Type	Description	List Price
DR-812	Transmitting triode-medium MU	\$ 3.50
DR-813	Beam power amplifier	14.50
DR-816	Half-wave, mercury-vapor rectifier	1.25
DR-826	Transmitting triode	9.25
DR-832A	Push-pull R-F beam power amplifier	10.60
DR-837	R-F power amplifier, pentode transmitter	4.15
DR-833A	R-F amp. modulator, osc	45.00
DR-838	Class B modulator, R-F power amplifier oscillator	12.00
DR-849A	R-F, A-F power amplifier, oscillator, modulator	120.00
DR-851	Transmitting triode amplifier	230.00
DR-857B	Diode gas rectifier	190.00
DR-861	Screen grid R-F power amplifier	155.00
DR-864	Amplifier	1.20
DR-866A	Half-wave, mercury vapor rectifier	1.75
DR-869B	High-voltage, high wave mercury vapor rectifier	120.00
DR-872A	Half-wave, mercury vapor rectifier	7.50
DR-873	Half-wave, mercury-vapor grid control rectifier	15.00
DR-892R	R-F power amplifier Class B modulator AIR COOLED	345.00
DR-8008	Half-wave, mercury vapor rectifier	7.50
DR-8020	High vacuum, half-wave rectifier	18.00

All tubes licensed under the patents of Radio Corporation of America

GENERAL ELECTRIC COMPANY and EITEL McCULLOUGH, Inc.

**Electron Tubes with LONG LIFE AND PRECISION CONSTRUCTION**

**GENERAL ELECTRONICS, INC. • 101 Hazel St., Paterson, N. J.**

# CETRON ELECTRONIC TUBES



Engineered and Manufactured by Continental Electric Co.

## CETRON PHOTOTUBES

CETRON phototubes are either of the gas-filled or of the vacuum type. With the gas-filled type, greater effective response is obtained, particularly in low impedance circuits, while the vacuum type is recommended where maximum stability is desired.

CETRON phototubes are selected as to their sensitivity and priced accordingly. Phototubes of the Super Class A/B are generally used for experimental purpose where very high sensitivities are required; Class C mostly for motion picture equipment; Class D for relay work, etc.

## CETRON BLUE SENSITIVE TUBES

CETRON blue sensitive tubes comprise the most complete line of phototubes designed for sound reproduction work from dye recorded film. Continental Electric also manufactures a complete line of special purpose phototubes such as: CE-5, CE-7, OE-8, CE-10, CE-15, CE-18, CE-20, CE-26, etc. We will be happy to work with you on design and development problems. Full data, prices, etc., will be forthcoming upon request.

## GAS-FILLED PHOTOTUBES

The rated sensitivity for Super Class A/B is 200 microamperes per lumen and up (average 300); Class C, 125-200 microamperes per lumen (average 160); Class D, 75-125 microamperes per lumen (average 100). These sensitivities are measured at recommended operation and test voltage as specified in our technical chart.

## VACUUM PHOTOTUBES

The rated sensitivity for Super Class A/B is 30 microamperes per lumen and more (average 35); Class C, 22-30 microamperes per lumen (average 25); and Class D, 12-22 microamperes per lumen (average 16); all are measured at 250 Volts.

## LIST PRICES

### RED SENSITIVE TYPES, GAS-FILLED, RMA SPECTRAL RESPONSE S1.

Type	Class A/B	Class C	Class D	Replaces No.
CE-1	\$6.20	\$4.10	\$2.60	868 918
CE-2	8.50	5.50	3.30	PJ-23 WL-735
CE-3	8.50	5.50	3.30	WL-737
CE-4	8.50	5.50	3.30	WL-728 WE-3A
CE-21	15.00	5.60	3.60	920
CE-22	8.50	4.00	2.40	924 1P41
CE-23	5.50	2.90	1.75	923
CE-25	10.00	5.50	2.50	927
CE-30	5.50	2.60	1.50	930
CE-36	10.00	5.50	2.50	—

### RED SENSITIVE TYPES, VACUUM, RMA SPECTRAL RESPONSE S1.

Type	Class A/B	Class C	Class D	Replaces No.
CE-1V	\$ 8.50	\$4.20	\$2.60	PJ-22
CE-2V	8.50	5.50	3.30	—
CE-1V	8.50	5.50	3.30	—
CE-11V	12.00	5.00	3.00	917
CE-25V	12.00	5.00	3.00	—
CE-30V	5.50	2.80	1.85	925
CE-31V	12.00	5.00	3.00	919

### BLUE SENSITIVE TYPES, GAS-FILLED, RMA SPECTRAL RESPONSE S4

	Class Q u Amp/Lumen	Class R	Q	R	Replaces No.
CE-59	180-up	90-190	\$9.00	\$3.80	5581
CE-64	130-up	65-130	9.00	3.80	5583
CE-74	160-up	80-160	9.00	5.50	—
CE-83	180-up	90-180	13.00	8.10	—
CE-91	180-up	90-180	9.00	3.00	1P87
CE-97	180-up	90-180	13.00	8.50	—

### BLUE SENSITIVE TYPES, VACUUM, RMA SPECTRAL RESPONSE S4

CE-29	55-up	25-55	\$9.00	\$2.10	929 1P89
CE-34	36-up	17-36	9.00	3.80	934
CE-61	55-up	25-55	9.00	6.00	GL 441
CE-99	55-up	25-55	13.00	6.20	—

## MINIATURE TYPES

### LEAD SULFIDE TYPES

CE-701 Side Type	\$10.00
CE-702 Side Type	10.00
CE-703 End Type	10.00
CE-704 Double Side Type	15.00
CE-711 Three-Pin Side Type	10.00

### BLUE TYPES, RMA S4

CE-60 Vacuum Side Type:	
Class Q, 18-up microamperes per lumen	\$10.00
Class R, 8-18 microamperes per lumen	4.00
CE-90 Gas Side Type:	
Class Q, 65-up microamperes per lumen	10.00
Class R, 32-65 microamperes per lumen	4.00



CE-1  
CE-91



CE-58-60-90



CE-59



CE-25  
CE-64



CE-2-2V



CE-29

# CETRON ELECTRONIC TUBES

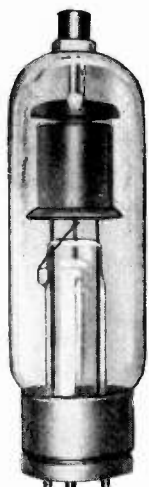


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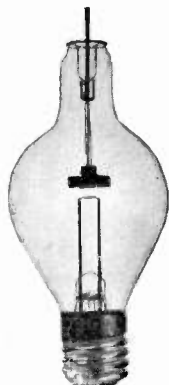
## CETRON RECTIFIER and GRID CONTROL TUBES



CE-202



CE-872A



CE-226

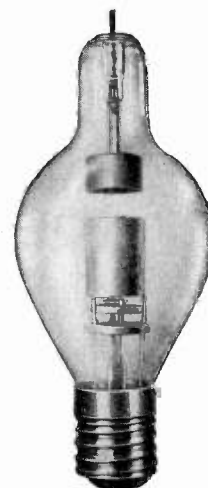
Type New No.	Old No.	Description	List Price	Data Sheet No.
CE-200A	CE-200	2 amp. full wave mercury vapor 250 volts DC with standard 4 pin base	\$ 7.75	111
CE-201A	CE-201	2 amp. full wave mercury vapor 250 volts DC with special 4 long pin base	8.00	111
CE-202	—	15 amp. half wave mercury vapor 250 volts DC mogul Screw base	30.00	108
CE-203	—	15 amp. half wave mercury vapor 150 volts DC Mogul Screw base	10.50	104
CE-205	2-RA-5	5 amp. half wave mercury vapor 250 volts DC Mogul Screw base	12.60	105
CE-206	2-RA-6	6 amp. half wave mercury vapor 90 volts DC Mogul Screw base	5.00	106
CE-210A	CE-210	2 amp. full wave mercury vapor and gas 250 volts D.C. with standard 4 pin base	7.75	131
CE-212A	CE-212	2 amp. half wave gas filled 60 volts DC Medium Screw Base	4.00	120
CE-213A	CE-213	2½ amp. half wave mercury vapor 600 volts DC standard 4 pin base	6.90	107
CE-215	2-RA-15	15 amp. half wave mercury vapor 75 volts DC Mogul Screw base	9.50	103
CE-220	CE-72	.020 amp. 20,000 half wave high vacuum, rect. tubes. Stand. 4 pin base	12.00	113
CE-221	4B25	6.4 amp. full wave gas filled 200 volts DC special 4 pin base	16.90	125
CE-224	4B24	2.5 amp. full wave gas filled 200 volts DC No. 412 4 pin base	11.80	124
CE-226	R-6-A	6 amp. half wave gas filled 90 volts DC Mogul Screw base	5.00	112
CE-230	3B24	.060 amp. 20,000 half wave high vacuum rect. med. 4 pin base	12.00	123
CE-235	R-15-A	15. amp. half wave gas filled 60 volts DC Mogul Screw base	10.00	109
CE-866A/866	VT-46A	.25 amp. half wave mercury vapor 10,000 peak inverse med. 4 pin base	2.00	129
CE-872A	VT-42A	1.25 amp. half wave mercury vapor 10,000 peak inverse jumbo 4 pin base	7.55	117
CE-8008	—	1.25 amp. half wave mercury vapor 12,000 peak inverse No. 4310 4 pin ind. base	7.55	128
CE-303	3C31	1 amp. grid control tube, gas filled standard 4 pin base	15.65	114
CE-304	—	12.5 amp. grid control mercury vapor 125 amp. peak current No. 4310 4 pin ind. base	74.75	119
CE-305	—	2 amp. grid control tube, gas filled, standard 4 pin base	20.20	116
CE-308	—	6 amp. grid control tube, gas filled, 40 amp. peak current, 4 pin base No. 412	33.60	122
CE-309	FG17	.5 amp. grid control tube mercury vapor 5000 peak inverse med. 4 pin base	6.50	126
CE-311	3C23	1.50 amp. grid control tube mercury and gas filled 1000 peak inverse med. 4 pin base	13.25	127
CE-393A	—	1.50 amp. grid control tube mercury and gas filled 1250 peak inverse med. octal base	13.25	127
CE-320	—	2.5 amp. grid control tube mercury vapor and gas filled 1250 peak inverse. Medium 4 pin base	14.20	134
CE-322	—	6.4 amp. grid control tube mercury vapor and gas filled 1500 peak inverse. 4 pin base No. A4-18	21.65	135
CE-323B	—	1.5 amp. grid control tube mercury vapor and gas filled 1250 peak inverse. Medium 5 pin base	13.25	133

Engineering bulletins giving detailed specifications on all tubes listed here are available and may be had upon request. The extensive engineering and manufacturing facilities which we have, make possible the development and production of many types of special tubes. If you have a problem involving the use of any CETRON tubes you are invited to consult with us. We are also prepared to make special tubes to your specifications.

### WARRANTY

We guarantee all products manufactured by us to be free from all material and manufacturing defects and to give satisfactory service when operated in accordance with instructions indicated for their use.

Continental Electric Co.



CE-203