

RCA POWER AND GAS TUBES


VACUUM POWER TUBES
GLOW-DISCHARGE TUBES
RECTIFIER TUBES
THYRATRONS-IGNITRONS



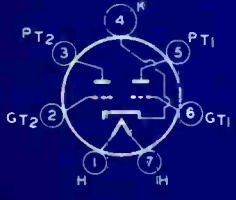
RADIO CORPORATION of AMERICA
TUBE DEPARTMENT
HARRISON, N. J.

VACUUM POWER TUBES



 Type	Description
TRIODES (Air-Cooled)	
3C33	Heater-cathode type containing two high-perveance units. For use in industrial control and voltage-regulator service. Medium molded-flare 7-pin base.
10-Y	For low-power transmitters. Has thoriated-tungsten filament. Medium 4-pin micanol base.
203-A	One of RCA's three famous 50-watters. Designed for long continuous service. Jumbo 4-pin base.
204-A	All-purpose thoriated-tungsten filament type used by amateurs and industry for the last twenty years. Special end-mounting for base. Skirted large cap.
211	Similar in construction to type 203-A, but has a lower mu.
304TH	Medium-mu class B modulator and rf amplifier. Will handle high current at relatively low voltages. Special type base. Beaded small cap.
800	High frequency rf amplifier and oscillator with thoriated-tungsten filament. Medium 4-pin, bayonet base. Two small caps.
801-A	Medium-mu type with thoriated-tungsten filament. Of special use in small aircraft transmitters. Medium 4-pin, bayonet base.
805	High-mu zero-bias class B modulator with thoriated-tungsten filament. Features high power output with low plate voltage and low distortion. Jumbo 4-pin base. Medium cap.
806	Highly efficient 1000-watter requiring only 34 watts of driving power at the tube. Features a 50-watt thoriated-tungsten filament and a large enclosed anode. Jumbo 4-pin base. Skirted medium end cap, saddle medium side cap.
808	High-mu type for high-frequency applications. Medium 4-pin, bayonet base. Medium end cap, small side cap.
809	High-perveance high-mu type with thoriated-tungsten filament. Features high efficiency and low driving power. Medium 4-pin, micanol, bayonet base. Medium cap.
810	High-perveance type with a graphite anode and a thoriated-tungsten filament. Features high plate efficiency with low driving power and relatively low plate voltage. Jumbo 4-pin base. Skirted medium end cap, medium side cap.
811-A	Improved and superseding version of the popular 811. Utilizes a modified construction featuring a zirconium-coated plate having radiating fins to give greater dissipation capability and to permit increased ratings for plate current and plate input. Medium 4-pin, micanol, bayonet base. Medium cap.
812-A	Improved and superseding version of the popular 812. Has same structural features of type 811-A with increased ratings for plate current and plate input.
826	Highly efficient UHF oscillator with center-tapped filament and zirconium-coated anode. Medium molded-flare 7-pin base.
830-B	General purpose thoriated-tungsten filament type. Medium 4-pin, bayonet base. Small cap.
833-A	Rugged, high-perveance type with a 100-watt thoriated-tungsten filament and a zirconium-coated anode. Values shown are for ICAS conditions with forced-air cooling. Special post terminals.
834	UHF power amplifier type with a 25-watt, thoriated-tungsten filament. Medium 4-pin, bayonet base. Wire top terminals.
835	Identical with type 211 except for lower interelectrode capacitances.
838	High-mu, zero-bias class B modulator type with thoriated-tungsten filament. Features high-power output with low distortion. Jumbo 4-pin base.
841	High-mu type with thoriated-tungsten filament. Medium 4-pin, bayonet base.

For key to terminal connections, see page 11.



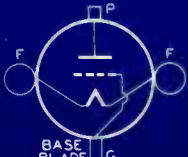
3C33



10-Y



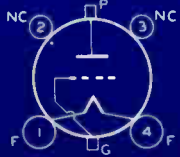
203-A 211
835 838



204-A



304TH



800



834

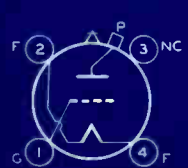
801-A

841

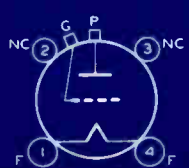
VACUUM POWER TUBES

Cathode		Max. Dimensions Inches		Amplification Factor	Class of Service	Max. Frequency for Full Input Mc	Max. Plate Ratings			Typical Operating Conditions						RCA Type	
							Volts	DC Input Watts	Dissipation Watts	Plate Volts	Grid Volts	Peak AF Grid-to-Grid Volts	Plate Amperes	Plate-to-Plate Load Ohms	Approx. Driving Power Watts		Power Output Watts
TRIODES (Air-Cooled)																	
12.6	1.125	3 1/16	2 3/8	11 per unit		Max. Peak Plate Volts, ±2000	Max. Peak Cathode Ma. (Per Unit), 500			Max. Average Grid Ma. (Per Unit), 7.5						3C33	
						Max. DC Grid Volts, -200	Max. Average Plate Ma. (Per Unit), 120			Max. Plate Dissipation, 15 Watts							
7.5	1.25	5 3/8	2 1/16	8	C-P	8	350	17.5	10	350	-135	—	0.045	—	3.5	8	10-Y
					C-T	8	450	27	15	450	-115	—	0.055	—	3.3	13	
10.0	3.25	7 7/8	2 3/16	25	C-P	15	1000	175	67	1000	-135	—	0.15	—	14	100	203-A
					C-T	15	1250	220	100	1250	-125	—	0.15	—	7	130	
11.0	3.85	14 3/8	4 1/16	23	C-P	3	2000	550	167	2000	-250	—	0.25	—	20	350	204-A
					C-T	3	2500	690	250	2500	-200	—	0.25	—	15	450	
10.0	3.25	7 7/8	2 3/16	12	C-P	15	1000	175	67	1000	-260	—	0.15	—	14	100	211
					C-T	15	1250	220	100	1250	-225	—	0.15	—	7	130	
5.0	25.0	7 5/8	1 13/16*	20	B	—	3000	—	300	3000	-150	420	0.134	10200	6	1400	304 TH
10.0	12.5				C-T	40	3000	—	300	3000	-300	—	0.5	—	53	1200	
7.5	3.1	6 3/8	2 1 1/16	15	C-P	60	1000	80	23	1000	-200	—	0.07	—	4	50	800
					C-T	60	1250	100	35	1250	-175	—	0.07	—	4	65	
7.5	1.25	5 3/8	2 1/16	8	B	—	600	42	20	600	-75	320	0.008	10000	3	45	801-A
					C-P	60	500	30	13.5	500	-190	—	0.055	—	4.5	18	
					C-T	60	600	42	20	600	-150	—	0.065	—	4	25	
10.0	3.25	8 1/2	2 3/16	Variable	B	—	1500	315	125	1500	-16	280	0.084	8200	7	370	805
					C-P	30	1250	220	85	1250	-160	—	0.16	—	16	140	
					C-T	30	1500	315	125	1500	-105	—	0.2	—	8.5	215	
5.0	9.5	10	3 13/16	12.6	B	—	3300	825	225	3300	-240	930	0.08	16000	35	1120	806
					C-P	30	3000	600	150	3000	-670	—	0.195	—	24	460	
					C-T	30	3300	1000	225	3300	-600	—	0.3	—	34	780	
7.5	4.0	6 1/16	2 13/16	47	B	—	2000	225	75	2000	-36	270	0.04	21400	8.8	300	808
					C-P	30	1600	200	50	1600	-170	—	0.125	—	10	150	
					C-T	30	2000	300	75	2000	-150	—	0.15	—	9	225	
6.3	2.5	6 9/16	2 7/16	50	B	—	1000	100	30	1000	-9	155	0.04	11600	2.7	145	809
					C-P	60	750	75	25	750	-60	—	0.1	—	4.3	55	
					C-T	60	1000	100	30	1000	-75	—	0.1	—	3.8	75	
10.0	4.5	8 3/4	2 1/4*	36	B	—	2750	510	175	2250	-60	380	0.07	11600	13	725	810
					C-P	30	2000	500	125	2000	-350	—	0.25	—	35	380	
					C-T	30	2500	750	175	2500	-180	—	0.3	—	19	575	
6.3	4.0	6 21/32	2 7/16	160	B	—	1500	235	65	1500	-4.5	170	0.032	12400	4.4	340	811-A
					C-P	30	1250	175	45	1250	-120	—	0.14	—	10	135	
					C-T	30	1500	260	65	1500	-70	—	0.173	—	7.1	200	
6.3	4.0	6 21/32	2 7/16	29	B	—	1500	235	65	1500	-48	270	0.028	13200	5	340	812-A
					C-P	30	1250	175	45	1250	-115	—	0.14	—	7.6	130	
					C-T	30	1500	260	65	1500	-120	—	0.173	—	6.5	190	
7.5	4.0	3 11/16	2 3/8	31	C-P	250	1000	95	45	1000	-160	—	0.095	—	11.5	70	826
					C-T	250	1000	130	55	1000	-70	—	0.13	—	5.8	90	
10.0	2.0	6 11/16	2 1/16	25	C-P	15	800	80	40	800	-150	—	0.095	—	5	50	830-B
					C-T	15	1000	150	60	1000	-110	—	0.14	—	7	90	
10.0	10.0	8 13/16	4 19/32	35	B	—	4000	1800	450	4000	-100	510	0.1	11000	38	2700	833-A
					C-P	20	4000	1800	350	4000	-325	—	0.45	—	42	1500	
					C-T	20	4000	2000	450	4000	-225	—	0.5	—	35	1600	
7.5	3.1	6 7/8	2 1 1/16	10.5	C-P	100	1000	100	35	1000	-310	—	0.09	—	6.5	58	834
					C-T	100	1250	125	50	1250	-225	—	0.09	—	4.5	75	
For dimensions, maximum ratings, and typical operating conditions, refer to Type 211																	
10.0	3.25	7 7/8	2 3/16	Variable	B	—	1250	220	100	1250	0	200	0.148	9000	7.5	260	835
					C-P	30	1000	175	67	1000	-135	—	0.15	—	16	100	838
					C-T	30	1250	220	100	1250	-90	—	0.15	—	6	130	
7.5	1.25	5 3/8	2 1/16	30	C-P	6	350	21	10	350	-47	—	0.05	—	2	11	841
					C-T	6	450	27	15	450	-34	—	0.05	—	1.8	15	

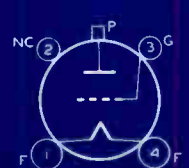
For explanatory notes on class of service, see page 10. To facilitate comparison between types, all values are given on an absolute-maximum basis. Unless otherwise specified, all values shown are for Continuous Commercial Service. * Intermittent Commercial and Amateur Service. * Maximum Radius.



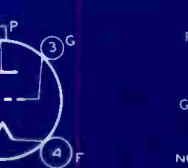
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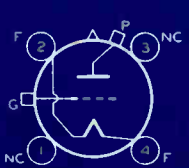
808



809



810-A
830-B



806



810




826



833-A

VACUUM POWER TUBES

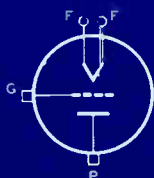


 Type	Description
TRIODES (Air-Cooled)—Cont'd	
842	Class A modulator. Medium 4-pin, bayonet base.
843	General-purpose heater-cathode type. Medium 5-pin base.
845	One of RCA's three famous 50-watters. Jumbo 4-pin base.
849	Heavy-duty modulator type. Will deliver 100 watts of undistorted audio power in class A service. Special end-mounting for base. Skirted large cap.
851	Heavy-duty modulator type. Will deliver 160 watts of undistorted audio power in class A service. Special end-mounting for base. Skirted large cap.
1608	General-purpose type with an oxide-coated filament. Medium 4-pin, ceramic, bayonet base.
1623	Highly efficient oscillator triode. Useful as a self-excited oscillator because of stability of operation. Will deliver 75 watts output with 3.1 watts of grid drive at the tube. Medium 4-pin, ceramic, bayonet base. Medium cap.
1626	RF oscillator. Heater-cathode type. Octal 8-pin, micanol, base.
5556	Coated-filament type featuring low-grid power and uniformity of characteristics. Medium 4-pin, bayonet base.
8000	High-power amplifier with a 45-watt thoriated-tungsten filament and a special-processed graphite anode. Especially useful in diathermy applications. Jumbo 4-pin base. Skirted medium end-cap, medium side cap.
8003	Rugged rf power amplifier and oscillator with a 32.5-watt, thoriated-tungsten filament and graphite anode. For self-rectifying oscillator circuits in therapeutic applications. Jumbo 4-pin base. Medium cap.
8005	High-perveance type. Features high-power output with low grid driving power. For self-rectifying oscillator circuits in therapeutic applications. Medium metal 4-pin, bayonet base. Ceramic insulated cap.
8012-A	UHF oscillator, rf power amplifier and frequency multiplier featuring double grid and plate connections and flexible filament leads.
8025-A	Same as 8012-A except for small 4-pin, micanol, base for filament leads, and miniature caps for double grid and plate leads.
TRIODES (Water-Cooled)	
9C21	Multi-strand single-phase tungsten-filament type utilizing grid-flange and filament-header construction. For high-power broadcast and industrial rf heating applications. Special terminal connections.
207	High-voltage type with thoriated-tungsten filament. For industrial and communication service. Special terminal connections.
846	Tungsten-filament type for industrial and communication service. Special terminal connections.
858	Tungsten-filament type for general communication and industrial rf heating applications. Special terminal connections.
862-A	Tungsten-filament type especially designed for high-power broadcast applications. Special terminal connections.
880	High-frequency tungsten-filament type. For use in high-power broadcast and industrial rf heating applications. Uses special terminal connections.

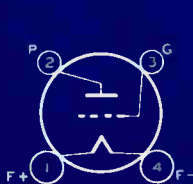
For key to terminal connections, see page 11. Note 1: Diametrically opposite terminals must be connected together. Note 2: Grid terminals are spaced diametrically wider than filament terminals. Note 4: G terminals nearer filament leads; P terminals nearer bulb tip. Note 5: G caps nearer base; P caps nearer bulb tip.



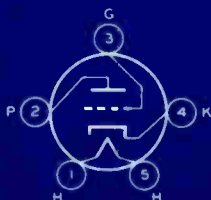
See Note 1 9C21



207 846



842 1608 5556



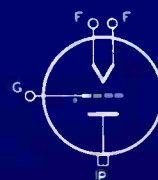
843



845



849



851



858

862-A

See Note 2

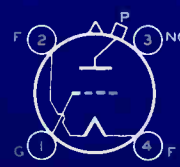
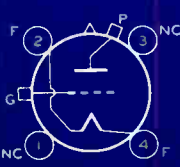
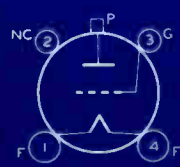
880

VACUUM POWER TUBES

Cathode		Max. Dimensions Inches		Amplification Factor	Class of Service	Max. Frequency for Full Input Mc	Max. Plate Ratings			Typical Operating Conditions							RCA Type
							Volts	DC Input Watts	Dissipation Watts	Plate Volts	Grid Volts	Peak AF Grid-to-Grid Volts	Plate Amperes	Plate-to-Plate Load Ohms	Approx. Driving Power Watts	Power Output Watts	
TRIODES (Air-Cooled)—Cont'd																	
7.5	1.25	5 ³ / ₈	2 ¹ / ₁₆	3	A	—	425	—	12	425	-100	—	0.028	8000	—	3.0	842
2.5	2.5	5 ³ / ₈	2 ¹ / ₁₆	7.7	C-P	6	350	14	10	350	-150	—	0.03	—	1.6	5.0	843
						6	450	18	15	450	-140	—	0.03	—	1.0	7.5	
10.0	3.25	7 ⁷ / ₈	2 ⁵ / ₁₆	5.3	AB ₁	—	1250	150	100	1250	-225	440	0.04	6600	—	115	845
11.0	5.0	14 ³ / ₈	4 ¹ / ₁₆	19	C-P	3	2000	700	270	2000	-300	—	0.3	—	14	425	849
						3	2500	875	400	2500	-250	—	0.3	—	8	560	
11.0	15.5	17 ⁵ / ₈	6 ¹ / ₈	20.5	C-P	3	2000	1800	500	2000	-300	—	0.85	—	65	1250	851
						3	2500	2500	750	2500	-250	—	0.9	—	45	1700	
2.5	2.5	5 ³ / ₈	2 ¹ / ₁₆	20	C-P	—	425	40	20	425	-15	130	0.036	4800	2.2	50	1608
						45	350	30	13.5	350	-80	—	0.085	—	3	18	
						45	425	40	20	425	-90	—	0.095	—	3	27	
6.3	2.5	6 ⁹ / ₁₆	2 ⁷ / ₁₆	20	C-P	—	1000	100	30	1000	-40	230	0.03	12000	4.2	145	1623
						60	750	75	25	750	-125	—	0.1	—	4	55	
						60	1000	100	30	1000	-90	—	0.1	—	3.1	75	
12.6	0.25	4 ¹ / ₈	1 ⁹ / ₁₆	5	C-T	30	250	6.25	5	250	-70	—	0.025	—	0.5	4	1626
4.5	1.1	5 ⁵ / ₈	2 ³ / ₁₆	8.5	C-P	—	350	—	7.5	350	-30	30	0.009	18000	—	0.6	5556
						6	350	14	7	300	-100	—	0.03	—	0.3	4	
						6	350	14	10	350	-80	—	0.035	—	0.25	6	
10.0	4.5	8 ³ / ₄	2 ¹ / ₄ *	16.5	C-P	—	2750	510	175	2250	-130	560	0.065	12000	7.9	725	8000
						30	2000	500	125	2000	-370	—	0.25	—	20	380	
						30	2500	750	175	2500	-240	—	0.3	—	18	575	
10.0	3.5	8 ¹ / ₂	2 ⁹ / ₁₆	12	C-P	—	1350	330	100	1350	-100	480	0.04	6000	18	460	8003
						30	1100	220	67	1100	-260	—	0.2	—	15	167	
						30	1350	330	100	1350	-175	—	0.245	—	11	250	
10.0	3.25	6 ¹¹ / ₁₆	2 ⁷ / ₁₆	20	C-P	—	1500	250	85	1500	-67.5	330	0.04	9800	5.5	330	8005
						60	1250	240	75	1250	-195	—	0.19	—	9	170	
						60	1500	300	85	1500	-130	—	0.2	—	7.5	220	
6.3	1.92	3 ¹⁵ / ₁₆ ♦	1 ³ / ₁₆ *	18	C-P	500	800	33	27	800	-105	—	0.04	—	1.4	22	8012-A
						500	1000	50	40	1000	-90	—	0.05	—	1.6	35	
6.3	1.92	4 ¹⁵ / ₁₆	1 ³ / ₆₄ *	18	C-P	500	800	33	20	800	-105	—	0.04	—	1.4	22	8025-A
						500	1000	50	30	1000	-90	—	0.05	—	1.6	35	


TRIODES (Water-Cooled)																	
19.5	415	24 ¹ / ₂	9 ¹ / ₂	36	C-P	—	15000	90000	40000	14000	-300	1050	0.6	4000	150	61000	9C21
						15	12500	50000	28000	12500	-1670	—	3.5	—	1570	38000	
						15	17000	150000	40000	17000	-1600	—	7.9	—	1800	100000	
22.0	52.0	20 ¹ / ₄ ♦	6 ¹ / ₂ *	20	C-P	—	15000	20000	7500	12500	-575	2300	0.4	10000	400	22500	207
						1.6	10000	10000	6600	10000	-2000	—	0.75	—	185	6000	
						1.6	15000	30000	10000	12000	-1600	—	1.67	—	235	15000	
11.0	51.0	9 ¹ / ₂ ♦	3 ³ / ₈ *	40	C-P	50	6000	3000	1660	6000	-950	—	0.5	—	200	2250	846
						50	7500	7500	2500	7000	-900	—	0.9	—	300	4250	
						—	20000	40000	20000	12000	-140	2600	0.5	7200	115	26500	
22.0	52.0	24 ¹ / ₂ ♦	7 ¹ / ₂ *	42	C-P	1.5	12000	12000	10000	12000	-1000	—	0.95	—	150	8000	858
						1.5	20000	40000	20000	18000	-1200	—	1.8	—	250	22400	
						—	15000	100000	50000	12000	0	2000	3.0	1800	450	90000	
33.0	207	60 ³ / ₈ ♦	10*♦	45	C-P	1.6	12000	60000	50000	12000	-800	—	5.0	—	2000	45000	862-A
						1.6	20000	200000	100000	18000	-1000	—	8.33	—	2400	100000	
						—	10500	40000	15000	10000	-430	1690	1.0	3200	225	45000	
12.6	320	11 ³ / ₈	7	20	C-P	25	10500	36000	12000	10000	-1200	—	3.6	—	880	28000	880
						25	10500	60000	20000	10000	-800	—	6.0	—	750	45000	
						—	10500	60000	20000	10000	-800	—	6.0	—	750	45000	

For explanatory notes on class of service, see page 10. To facilitate comparison between types, all values are given on an absolute-maximum basis. Unless otherwise specified, all values shown are for Continuous Commercial Service. ♦ Intermittent Commercial and Amateur Service. ♦ Excluding Flexible Leads. * Maximum Radius. ‡ Per Section.

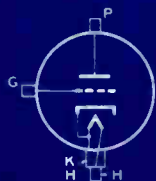


VACUUM POWER TUBES



 Type	Description
TRIODES (Water-Cooled)—Cont'd	
889-A	High-frequency tungsten-filament type with specially designed mount and terminal connections. Particularly suitable for industrial rf heating applications. May also be used for high-power broadcast services.
891	Two-section tungsten-filament type. Suitable as an oscillator in induction and dielectric heating devices.
892	Two-section tungsten-filament type similar to type 891 except for a higher mu.
893-A	Three-phase tungsten-filament type. Designed to permit operation from one-, three-, or six-phase ac or dc supply. For general broadcast and industrial rf heating applications. Special terminal connections.
898-A	Three-phase tungsten-filament type featuring a 100000-watt rf power output in class C telegraph service. For high-power broadcast and industrial rf heating applications. Special terminal connections.
5770	Improved version of 9C21 with thoriated-tungsten filament for high-emission capability and a saving of 60 percent in filament power, and a large heavy-duty grid. For high-power broadcast and industrial rf heating applications. Special terminal connections.
5771	Improved version of 880 with thoriated-tungsten filament for high-emission capability and a saving of 70 percent in filament power, and high-conductivity Kovar grid and filament seals. For industrial and communications service. Special terminal connections. In class C telegraph service up to 1.6 Mc, this tube can deliver 53 kw approx.
TRIODES (Forced-Air-Cooled)	
4C33	Compact, vhf, radiator type with unipotential cathode. For pulsed-oscillator applications. Special terminal connections. Ratings shown are for plate-modulated, pulsed-oscillator class C service up to 625 Mc.
6C24	Radiator type with center-tapped thoriated-tungsten filament. For improved high-frequency performance. Of special use in FM and industrial applications. Special terminal connections.
7C24	High-perveance grounded-grid type with mid-tapped thoriated-tungsten filament. Especially designed to provide stable performance at high frequencies in FM and industrial applications. Special terminal connections.
9C22	Radiator type with multi-strand, single-phase tungsten filament and utilizing grid-flange and filament-header construction. For 50-kw broadcast transmitters and industrial heating applications. Special terminal connections.
9C25	Grounded-grid type with a multi-strand single-phase thoriated-tungsten filament and utilizing grid-flange and filament-header construction. For induction and dielectric heating purposes. Special terminal connections.
889R-A	Radiator type with a pure-tungsten filament. For use in high power broadcast and industrial rf heating applications. Special terminal connections.
891-R	Radiator type with a two-phase tungsten filament. Especially designed for induction-heating devices. Special terminal connections.
892-R	Radiator type incorporating the same design features as type 891-R but has a higher mu and slightly higher ratings. For use in general broadcast and industrial rf heating devices.
893A-R	Radiator type with a three-phase tungsten filament. Designed to permit operation from one-, three-, or six-phase ac or dc supply. For general broadcast and industrial rf heating applications. Special terminal connections.
5588	Compact, uhf, radiator type for grounded-grid circuits. Has unipotential cathode and coaxial-electrode structure. Special terminal connections. Typical values shown are for grounded-grid service at 1000 Mc.
5592	Radiator type with multistrand thoriated-tungsten filament. For grounded-grid service in 25- and 50-kw FM broadcast transmitters and for industrial service. Special terminal connections. Typical values shown are for grounded-grid service at 108 Mc.

For key to terminal connections, see page 11. Note 1: Diametrically opposite terminals must be connected together. Note 2: Grid terminals are spaced diametrically wider than filament terminals. Note 3: Terminal No. 5 is above grid arm.



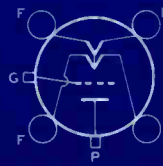
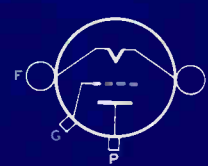
4C33



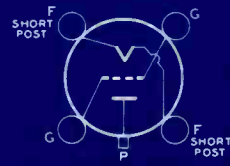
6C24



7C24


 See Note 1
 9C22 5592


9C25



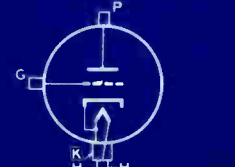
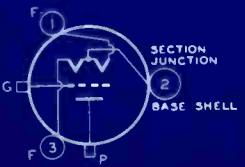
889-A 889R-A

VACUUM POWER TUBES

Cathode		Max. Dimensions Inches		Amplification Factor	Class of Service	Max. Frequency for Full Input Mc	Max. Plate Ratings			Typical Operating Conditions							Type
							Volts	DC Input Watts	Dissipation Watts	Plate Volts	Grid Volts	Peak AF Grid-to-Grid Volts	Plate Amperes	Plate-to-Plate Load Ohms	Approx. Driving Power Watts	Power Output Watts	
TRIODES (Water-Cooled)—Cont'd																	
11.0	125	10 ¹¹ / ₁₆	3 ³ / ₈	21	B C-P C-T	— 50 50	8500 6000 8500	12000 6000 16000	5000 3000 5000	7500 6000 7500	-300 -900 -800	1700 — —	0.4 1.0 2.0	5000 — —	150 140 400	15000 4000 10000	889-A
11.0†	60.0	20 ⁷ / ₈	6 ¹ / ₂ *	8.5	B C-T	— 1.6	15000 12000	20000 18000	5000 6000	12500 10000	-1450 -2000	3760 —	0.4 1.33	12000 —	245 375	22000 10000	891
11.0†	60.0	20 ⁷ / ₈	6 ¹ / ₂ *	50	B C-P C-T	— 1.6 1.6	15000 10000 15000	20000 10000 30000	7500 6600 10000	12500 10000 12000	-170 -1600 -1600	1370 — —	0.4 0.78 1.55	10000 — —	160 460 565	22000 6000 14000	892
10.0†	61.0†	26 ³ / ₄	6 ³ / ₈ *	36	B C-P C-T	— 5 5	20000 12000 20000	60000 24000 70000	20000 12000 20000	18000 12000 18000	-450 -1000 -1000	1720 — —	0.8 2.0 3.6	8000 — —	140 210 340	70000 18000 50000	893-A
33.0†	70.0†	60 ³ / ₈	10*♦	45	B C-P C-T	— 1.6 1.6	15000 12000 20000	100000 60000 200000	50000 50000 100000	12000 12000 18000	-100 -800 -1000	2200 — —	2.0 5.0 8.33	2000 2000 2400	6000 2000 100000	90000 45000 100000	898-A
11	285	24 ¹ / ₂	9 ¹ / ₂	39	B C-P C-T	— 20 20	15000 12500 17000	90000 60000 150000	50000 33000 50000	15000 12500 17000	-320 -1500 -1450	1560 — —	0.6 4.5 8.5	2640 — —	688 2160 11200	117000 45000 114000	5770
7.5	170	11 ⁵ / ₁₆	7	20	B C-P C-T	— 25 25	12500 10000 12500	45000 40000 60000	22500 15000 22500	12500 10000 12500	-600 -840 -630	1900 — —	1.0 3.8 4.8	4400 — —	430 1010 1050	55000 29000 44000	5771

TRIODES (Forced-Air-Cooled)																	
5	9.1	4 ⁷ / ₈	2 ¹ / ₁₆	25	DC Plate Voltage During Pulse, 13000 volts					DC Plate Current, 0.03 ampere					Type		
					DC Grid Voltage During Pulse, -2000 volts					Pulse Plate Input, 390000 watts							
					DC Plate Current During Pulse, 30 amperes					Plate Dissipation, 250 watts							
11.0	12.1	6 ¹³ / ₃₂ ♦	1 ²⁹ / ₃₂	30	B C-P C-T	— 160 160	3000 2500 3000	1200 1000 1500	600 400 600	3000 2500 3000	-95 -350 -250	470 — —	0.075 0.4 0.5	8600 75 75	30 75 75	1640 810 1100	6C24
12.6	29.0	7 ¹ / ₈ ♦	4 ¹¹ / ₁₆	29	B C-P C-T	— 110 110	5000 4000 5000	5500 3750 5500	2000 1300 2000	5000 4000 5000	-200 -350 -400	760 — —	0.4 0.8 1.0	6000 — —	110 525 710	7000 2600 4550	7C24
19.5	415	25	8 ¹⁵ / ₃₂	36	B C-P C-T	— 5 5	15000 12500 17000	60000 50000 100000	20000 14000 20000	14000 12500 17000	-300 -1670 -1600	1050 — —	0.6 3.5 5.0	4000 — —	150 1570 1450	61000 38000 65000	9C22
6.0	285	17 ³ / ₈	14 ¹ / ₄	32	B C-P C-T	— 30 30	11500 9000 11500	40000 26000 40000	17500 11500 17500	10500 8000 11000	-250 -650 -540	1310 — —	1.7 2.5 3.6	3300 — —	1500 510 575	50000 15800 29500	9C25
11.0	125	11 ⁷ / ₈	5 ¹ / ₂ *	21	B C-P C-T	— 25 25	8500 6000 8500	12000 6000 16000	5000 3000 5000	7500 6000 7500	-300 -900 -800	1700 — —	0.4 1.0 2.0	5000 — —	150 140 400	15000 4000 10000	889R-A
11.0†	60.0	22	6 ¹ / ₂ *	8.5	B C-T	— 1.6	10000 10000	10500 15000	3500 4000	8000 10000	-860 -2000	2260 —	0.5 1.33	7400 —	50 375	10000 10000	891-R
11.0†	60.0	22	6 ¹ / ₂ *	50	B C-P C-T	— 1.6 1.6	12500 10000 12500	12000 10000 18000	4000 2500 4000	8000 8000 10000	-60 -1300 -1300	1000 — —	0.5 0.82 1.4	6800 — —	84 430 495	10500 5000 10000	892-R
10.0†	61.0†	28	8 ¹⁵ / ₁₆ *	36	B C-P C-T	— 5 5	20000 12000 20000	60000 24000 70000	20000 12000 20000	18000 12000 18000	-450 -1000 -1000	1720 — —	0.8 2.0 3.6	8000 — —	140 210 340	70000 18000 50000	893A-R
6.3	2.5	3 ¹³ / ₃₂	1 ³ / ₄	18	C-P C-T	1200 1200	800 1000	170 250	130 200	650 835	-70 -70	— —	0.2 0.3	— —	§32 §32	65 100	5588
11	412	17 ³ / ₈	14 ¹ / ₄	32	C-T-F	50	11500	50000	17500	7500	-1000	—	4.4	—	9000	27000	5592

For explanatory notes on class of service, see page 10. To facilitate comparison between types, all values are given on an absolute-maximum basis. Unless otherwise specified, all values shown are for Continuous Commercial Service. ♦ Excluding Flexible Leads. § Required by tube and input circuit. * Maximum Radius. † Per Section. △ For grounded-grid service.



VACUUM POWER TUBES



RCA Type	Description
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TRIODES (Forced-Air-Cooled)—Cont'd

5671	Radiator type with multistrand thoriated-tungsten filament. For use as modulator and power amplifier in 50-kw AM broadcast service. Special terminal connections.
5713	Compact, vhf radiator type with unipotential cathode. For use in grounded-grid circuits particularly those of the transmission-line type. Special terminal connections.
5762	Radiator type with thoriated-tungsten filament. For grounded-grid service in FM broadcast and industrial applications. Special terminal connections.
5786	Improved version of 6C24 with a more efficient radiator to provide ample plate cooling with a low-cost blower. Intended primarily for industrial applications, but useful in broadcast service.

RCA Type	Description
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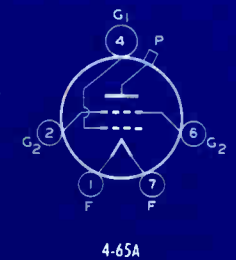
TETRODES (Air-Cooled)

4-65A	Small, vhf, thoriated-tungsten filament type for power amplifier and oscillator service. Medium-molded-flare septar 7-pin base. Skirted small cap.
4-125A/4D21	High-frequency rf amplifier with thoriated-tungsten filament. For FM transmitters. Special metal-shell, giant 5-pin base. Skirted small cap.
715-C	High-perveance pulse amplifier of the heater-cathode type for use in rectangular-wave modulator service. Medium ceramic wafer jumboid 4-pin base. Medium cap with dished flange.
850	32.5-watt thoriated-tungsten filament type for use as an rf power amplifier. Medium-metal-shell jumbo 4-pin base.
860	Thoriated-tungsten filament type featuring high power without neutralization. Medium 4-pin, metal, bayonet base.
861	Thoriated-tungsten filament type with plate, grid, and screen leads supported on separate stems to insure high insulation. Special terminal connections.
865	Thoriated-tungsten filament type of rf power amplifier and frequency multiplier. Medium 4-pin, bayonet base. Small cap.

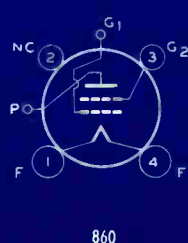
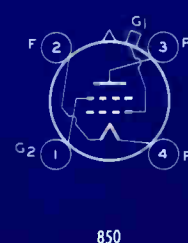
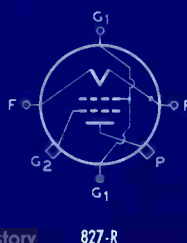
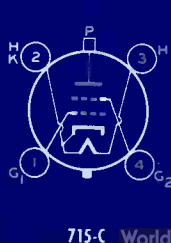
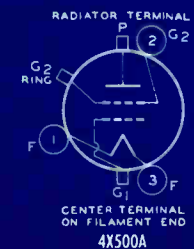
TETRODES (Water and Forced-Air-Cooled)

4-250A/5D22	Compact, radiator type with thoriated-tungsten filament. For use as power amplifier and modulator. Requires low driving power. Special metal-shell giant 5-pin base.
4X150A	Very small and compact, uhf, radiator type with unipotential cathode. For power amplifier or oscillator service. May also be used as a wide band amplifier in video applications. Lock-in 8-pin base.
4X500A	Small, compact, radiator type with thoriated-tungsten filament. For use as an rf power amplifier and oscillator. Special terminal connections. Typical values shown are for operation as push-pull amplifier at 110 Mc.
8D21	Water-cooled push-pull twin type with a thoria-coated multi-strand filament. For use as a class C grid-modulated rf power amplifier in television service. Features high-power sensitivity, low interelectrode capacitances, and excellent internal shielding. Special terminal connections.
827-R	Radiator type with a helical thoriated-tungsten filament. For FM, television and general broadcast services. Special terminal connections.

For key to terminal connections, see page 11. Note 9: At the lower frequencies, pin 1 is used for grid-No. 2 connection; at the higher frequencies, contact-ring is used.



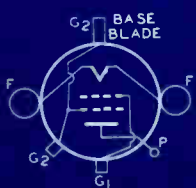
See Note 9



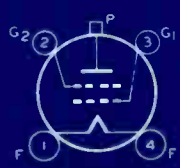
VACUUM POWER TUBES

Cathode		Max. Dimensions Inches		Amplification Factor	Class of Service	Max. Frequency for Full Input Mc	Max. Plate Ratings			Typical Operating Conditions							RCA Type
							Volts	DC Input Watts	Dissipation Watts	Plate Volts	Grid Volts	Peak AF Grid-to-Grid Volts	Plate Amperes	Plate-to-Plate Load Ohms	Approx. Driving Power Watts	Power Output Watts	
TRIODES (Forced-Air-Cooled)—Cont'd																	
11	285	25	16 ¹⁵ / ₁₆	39	B C-P C-T	— 10 10	15000 12500 15000	90000 55000 100000	25000 17000 25000	15000 12500 15000	-320 -1500 -1500	1600 — —	0.6 4.0 6.0	3320 — —	600 1960 2040	100000 40000 70000	5671
3.3	11.5	4 ⁷ / ₈	2 ¹ / ₁₆	25	C-T	220	1500	450	250	1500	-175	—	0.3	—	65	325	5713
12.6	29	7 ¹ / ₈	4 ¹¹ / ₁₆	29	B C-P C-T	— 110 110	5250 4200 5250	5500 3750 5500	2500 1600 2500	5000 4000 5000	-200 -350 -750	850 — —	0.4 0.93 1.1	5200 — —	180 130 1680	7500 2800 5500	5762
11	12.5	9 ⁵ / ₈	2 ¹⁵ / ₁₆	30	B C-P C-T	— 160 160	3000 2500 3000	1200 1000 1500	600 400 600	3000 2500 3000	-95 -350 -200	470 — —	0.075 0.4 0.5	8600 — —	30 75 36	1640 810 1000	5786
TETRODES (Air-Cooled)																	
Cathode		Max. Dimensions Inches		Transconductance Micro-mhos	Class of Service	Max. Frequency for Full Input Mc	Max. Plate Ratings			Typical Operating Conditions							RCA Type
							Volts	DC Input Watts	Dissipation Watts	Plate Volts	Grid No. 3 Volts	Grid No. 2 Volts	Grid No. 1 Volts	Plate Amperes	Approx. Driving Power Watts	Power Output Watts	
6	3.5	4 ³ / ₈	2 ³ / ₈	5§	AB ₂ C-P C-T-F	— 50 50	3000 2500 3000	— — —	65 45 65	1800 2500 3000	— — —	250 250 250	-35 -150 -90	0.05 0.108 0.115	1.1 1.9 1.7	270 225 280	4-65A
5.0	6.5	5 ¹¹ / ₁₆	2 ⁷ / ₈	2450	C-P C-T	120 120	2500 3000	— —	85 125	2500 3000	— —	350 350	-210 -150	0.152 0.167	3.3 2.5	300 375	4-125A/ 4D21
26.0	2.1	5 ⁷ / ₈	2 ⁹ / ₁₆	—	Max. Ratings for Pulsed Rectangular-Wave Modulator Service (with Inductive Load): Peak Plate Voltage, 18000 volts Peak Plate Current (for duty factor not exceeding 0.001), 15 amperes										715-C		
10.0	3.25	8 ¹ / ₂	2 ³ / ₁₆	2750	C-P C-T	15 15	1000 1250	150 220	70 100	1000 1250	— —	140 175	-100 -150	0.125 0.16	10 10	65 130	850
10.0	3.25	8 ³ / ₄ ♦	4 ¹ / ₄ *♦	1100	C-P C-T	30 30	2000 3000	170 300	67 100	2000 3000	— —	220 300	-200 -150	0.085 0.085	17 7	105 165	860
11.0	10.0	17 ⁷ / ₃₂	6 ⁵ / ₈ *♦	2400	C-P C-T	20 20	3000 3500	650 1200	270 400	3000 3500	— —	375 500	-200 -250	0.2 0.3	35 30	400 700	861
7.5	2.0	5 ³ / ₄	2 ¹ / ₁₆	750	C-P C-T	15 15	500 750	30 45	10 15	500 750	— —	125 125	-120 -80	0.04 0.04	2.5 1.0	10 16	865
TETRODES (Water and Forced-Air-Cooled)																	
5.0	14.5	6 ³ / ₈	3 ⁹ / ₁₆	4000	AB ₂ C-P C-T-F	— 75 75	4000 3200 4000	— — —	250 165 250	3000 3000 4000	— — —	300 400 500	-53 -310 -225	0.125 0.225 0.312	1.9 3.2 2.46	1040 510 1000	4-250A/ 5D22
6.0	2.6	2 ¹⁵ / ₃₂	1 ²¹ / ₃₂	12000	C-T-F	500	1250	—	150	1250	—	280	-115	0.2	30†	140	4X150A
5.0	13.5	4 ³ / ₄	2 ⁵ / ₈	5200	C-T-F	120	4000	—	500	3000	—	400	-200	0.6	18	1320	4X500A
3.2	125	12 ⁹ / ₃₂	5 ³ / ₄	5§ per Unit	C↑	300	6000 10000 6000			5000	—	800	—	—	—	—	8D21
							Synchronizing Level→			5000	—	800	-220	1.9	■	5300	
							Black Level→			5000	—	800	-400	1.45	■	3100	
							White Level→			5000	—	800	-820	—	—	—	
7.5	25	5 ⁵ / ₁₆ ♦	4 ²¹ / ₃₂	16§	C-P C-T	110 110	3000 3500	1200 1500	550 800	3000 3500	— —	750 700	-325 -300	0.4 0.428	68 50	825 1050	827-R

For explanatory notes on class of service, see page 10. To facilitate comparison between types, all values are given on an absolute-maximum basis. Unless otherwise specified, all values shown are for Continuous Commercial Service. † Grid-Modulated Push-Pull RF Power Amplifier—Class C Television Service. ♦ Excluding Flexible Leads. § Grid-Screen Mu-Factor. * Maximum Radius. ■ 200 to 500 watts. † Driver output power.



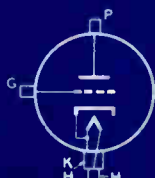
861



865



5671 World Radio History



5713



5762



5786

VACUUM POWER TUBES



Type	Description
BEAM POWER TUBES AND PENTODES (Air-Cooled)	
2E24	Beam power amplifier of the coated-filament type. For intermittent operation in mobile communications equipment. Octal 8-pin base. Small cap.
2E26	Beam power amplifier of the heater-cathode type. Designed for use in the low-power driver stages or in the output stages of FM transmitters. Octal 8-pin base. Small cap.
3E22	Push-pull beam power tube of the heater-cathode type. For intermittent mobile service applications. Octal 8-pin base. Two small caps.
3E29	High-perveance, twin-unit beam power amplifier with unipotential cathodes. For use in rectangular-wave pulse modulator service. Medium molded-flare septar 7-pin base.
4E27/8001	Beam power amplifier with an enclosed tantalum anode. Medium metal shell, giant 7-pin, bayonet base. Wire top terminal.
802	Oscillator pentode of the heater-cathode type. Features 23 watts output with only 0.3 watt grid drive at the tube. Medium 7-pin, bayonet base. Small cap.
803	RCA's biggest pentode with heavy-duty thoriated-tungsten filament and graphite anode. Medium shell giant 5-pin, micanol, bayonet base. Medium cap.
804	RF pentode with zirconium-coated anode. Requires less than 2 watts of driving power in any rf service. Medium 5-pin, micanol base. Small cap.
807	Beam power amplifier of the heater-cathode type. For amateur transmitter design. Features high power-sensitivity and extremely low grid-driving power. Medium 5-pin, micanol, base. Small cap.
813	Beam power amplifier with thoriated-tungsten filament. Useful as a high-power final amplifier for quick band-change. Giant 7-pin base. Medium cap.
814	Beam power amplifier with thoriated-tungsten filament and zirconium-coated anode. Medium 5-pin, micanol base. Small cap.
815	Push-pull beam power amplifier with heater-cathode. For experimental low-power, FM, and television transmission. Octal 8-pin base. Two small caps.
828	Beam power amplifier with a 32.5-watt thoriated-tungsten filament. Features 300 watts audio power (CCS) output per pair with zero driving power. Medium, micanol, 5-pin base. Small cap.
829-B	Push-pull twin-unit beam power amplifier of the heater-cathode type. Medium molded-flare 7-pin base.
832-A	Push-pull beam power amplifier of the heater-cathode type with features similar to the 829-B. Features exceptional efficiency at very high frequencies.
837	12.6-volt heater-cathode type of beam power amplifier for aircraft, police, and commercial use. Medium 7-pin, micanol, bayonet base. Small cap.
1610	Crystal-oscillator pentode of the coated-filament type. Medium 5-pin base.
1613	Metal type amplifier pentode of the heater-cathode type. For police and emergency broadcast use. Useful as a crystal oscillator. Octal 7-pin base.

To facilitate comparison between types, all values are given on an absolute-maximum basis. Unless otherwise specified, all values shown are for Continuous Commercial Service.
 • Intermittent Commercial and Amateur Service. ■ Intermittent Mobile Service.

EXPLANATION OF CLASS OF SERVICE ABBREVIATIONS

- C-P = Class C Plate-Modulated Telephone Service.
- C-T = Class C Telegraph Service.
- C-T-F = Class C Telegraph or FM Telephone Service
- A₁ = Class A AF Modulator Service (one tube).
- AB₁ = Class AB₁ Push-Pull AF Modulator Service.
- AB₂ = Class AB₂ Push-Pull AF Modulator Service.
- B = Class B Push-Pull AF Modulator Service.



2E24



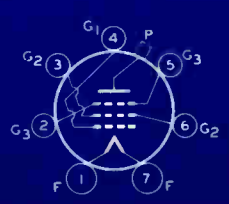
2E26



3E22



3E29



829-B



832-A

VACUUM POWER TUBES

Cathode		Max. Dimensions Inches		Transcon-ductance Micro-mhos	Class of Service	Max. Fre- quency for Full Input Mc	Max. Plate Ratings			Typical Operating Conditions							Type
							Volts	DC Input Watts	Dissipa- tion Watts	Plate Volts	Grid No. 3 Volts	Grid No. 2 Volts	Grid No. 1 Volts	Plate Amperes	Approx. Driving Power Watts	Power Output Watts	
BEAM POWER TUBES AND PENTODES (Air-Cooled)																	
6.3	0.65	3 ²¹ / ₃₂	1 ⁵ / ₁₆	3200	• C-P • C-T	125 125	500 600	27 40	9 13.5	500 600	— —	180 195	-45 -50	0.054 0.066	0.16 0.21	18 27	2E24
6.3	0.8	3 ²¹ / ₃₂	1 ⁵ / ₁₆	3500	• AB ₂ • C-P • C-T	— 125 125	500 500 600	37.5 27 40	12.5 9 13.5	500 500 600	— — —	125 180 185	-15 -50 -45	0.022 0.054 0.066	0.36 0.15 0.17	54 18 27	2E26
6.3 12.6	1.6 0.8	4 ⁹ / ₁₆	2 ³ / ₈	4000	■ C-P ■ C-T	15 15	560 600	90 100	30 35	560 600	— —	200 200	-50 -55	0.16 0.16	0.4 0.45	67 72	3E22
6.3 12.6	2.25 1.125	4 ⁵ / ₁₆	2 ³ / ₈	8500	Pulse Modulator Service (Rectangular-Wave Modulation). Values are for both units in parallel. Max. Ratings (for max. pulse length of 7 μsec): Instantaneous Plate Volts, 5750; Peak Plate Current (for duty factor not exceeding 0.002), 1.5 amperes; Plate Dissipation, 15 watts											3E29	
5.0	7.5	6 ³ / ₁₆	2 ¹¹ / ₁₆	2800	C-P C-T	75 75	3000 4000	250 300	65 75	2500 3000	60 60	600 750	-200 -200	0.1 0.1	0.1 0	200 235	4E27/ 8001
6.3	0.9	5 ³ / ₄	2 ¹ / ₁₆	2250	• C-P • C-T	30 30	500 600	20 33	8 13	500 600	40 40	245 250	-40 -120	0.04 0.055	0.1 0.3	12 23	802
10.0	5.0	9 ¹ / ₄	2 ⁹ / ₁₆	4000	C-P C-T	20 20	1600 2000	250 350	85 125	1600 2000	100 40	400 500	-80 -90	0.15 0.16	5 2	155 210	803
7.5	3.0	7 ¹¹ / ₁₆	2 ¹ / ₁₆	3250	• C-P • C-T	15 15	1250 1500	100 150	35 50	1250 1500	50 45	250 300	-90 -100	0.075 0.1	0.75 1.95	65 110	804
6.3	0.9	5 ³ / ₄	2 ¹ / ₁₆	6000	• AB ₂ • C-P • C-T	— 60 60	750 600 750	90 60 75	30 25 30	750 600 750	— — —	300 275 250	-32 -90 -45	0.052 0.1 0.1	0.2 0.4 0.2	120 42.5 50	807
10.0	5.0	7 ¹ / ₂	2 ⁹ / ₁₆	3750	• AB ₂ • C-P • C-T	— 30 30	2500 2000 2250	450 400 500	125 100 125	2500 2000 2250	— — —	750 350 400	-95 -175 -155	0.035 0.2 0.22	0.35 4.3 4.0	650 300 375	813
10.0	3.25	7 ¹¹ / ₁₆	2 ¹ / ₁₆	3300	• C-P • C-T	30 30	1250 1500	180 225	50 65	1250 1500	— —	300 300	-150 -90	0.144 0.15	2.0 1.5	130 160	814
6.3 12.6	1.6 0.8	4 ⁹ / ₁₆	2 ³ / ₈	4000	• C-P • C-T	125 125	400 500	60 75	20 25	400 500	— —	175 200	-45 -45	0.15 0.15	0.16 0.18	45 56	815
10.0	3.25	7 ¹¹ / ₁₆	2 ¹ / ₁₆	2700	• AB ₁ • C-P • C-T	— 30 30	2000 1250 1500	270 200 270	80 70 80	2000 1250 1500	60 75 75	750 400 400	-120 -140 -100	0.05 0.16 0.18	0 2.7 2.2	385 150 200	828
6.3 12.6	2.25 1.125	4 ⁵ / ₁₆	2 ³ / ₈	8500	• C-P • C-T	200 200	600 750	90 120	28 40	600 750	— —	200 200	-70 -55	0.15 0.16	0.9 0.8	70 87	829-B
6.3 12.6	1.6 0.8	3 ⁵ / ₁₆	2 ³ / ₈	3500	C-P C-T	200 200	600 750	22 36	10 15	600 750	— —	200 200	-65 -65	0.036 0.048	0.16 0.19	17 26	832-A
12.6	0.7	5 ³ / ₄	2 ¹ / ₁₆	3400	C-P C-T	20 20	400 500	20 32	8 12	400 500	40 40	140 200	-40 -75	0.045 0.06	0.3 0.4	11 22	837
2.5	1.75	5 ³ / ₈	2 ¹ / ₁₆	2500	C-T	20	400	9	6	400	—	150	-50	0.0225	0.1	5	1610
6.3	0.7	3 ¹ / ₄	1 ⁵ / ₁₆	2500	C-P C-T	45 45	275 350	11.5 17.5	7 10	275 350	— —	200 200	-35 -35	0.042 0.050	0.16 0.22	6 9	1613

For footnotes, see page 10.

LEGEND FOR BASE AND ENVELOPE CONNECTION DIAGRAMS

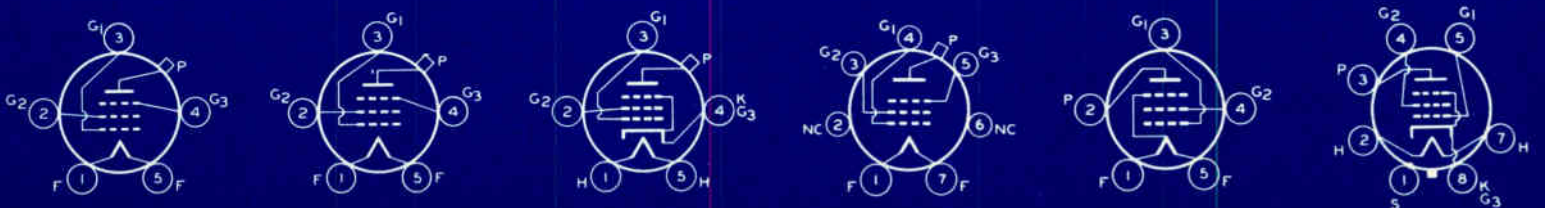
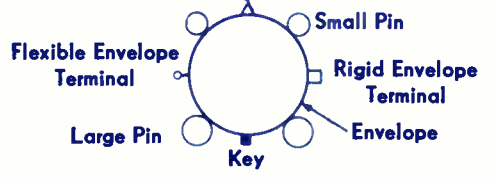
Diagrams show terminals viewed from base or filament end of tube.

KEY TO TERMINAL DESIGNATIONS

Alphabetical subscripts B, D, P, T, and TR indicate, respectively, beam unit, diode unit, pentode unit, triode unit, and tetrode unit in multi-unit types..

- | | | |
|-----------------------|---|--------------------|
| BC = Base Sleeve | HM = Heater Mid-Tap | K = Cathode |
| BS = Base Shell | I = Ignitor | NC = No Connection |
| F = Filament | IC = Internal Connection—
Do Not Use | P = Plate (Anode) |
| FM = Filament Mid-Tap | IS = Internal Shield | PH = Holding Anode |
| G = Grid | ● = Gas-Type Tube | S = Shell |
| H = Heater | | U = Unit |

Orientation Symbol
Other than Key



VACUUM POWER TUBES

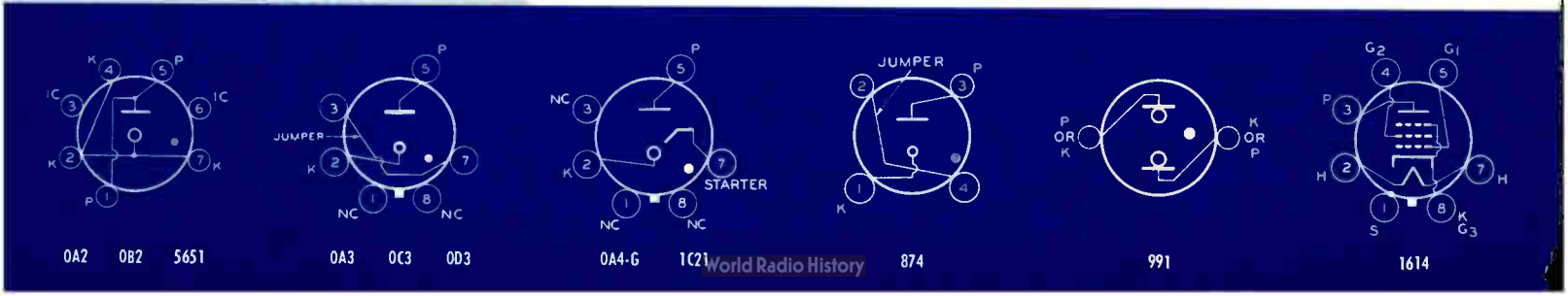


Type	Description
BEAM POWER TUBES AND PENTODES (Air-Cooled)—Cont'd	
1614	Metal type beam power amplifier of the heater-cathode type. For police and emergency broadcast use. Octal 7-pin base.
1619	Metal type beam power amplifier with a fast-heating filament. Useful in equipment requiring quick-on-off action. Octal 7-pin base.
1624	Quick-heating beam power amplifier of the coated-filament type. Similar to type 807 except for 2.5-volt filament. Medium 5-pin, micanol base. Small cap.
1625	Same as 807 except for 12.6-volt filament. Medium 7-pin, micanol base.
5618	Transmitting pentode of the 7-pin miniature type for use in mobile and communications equipment where compactness and low filament-power consumption are primary requirements. Has quick-heating, mid-tapped, coated filament for operation at either 6 or 3 volts. Typical values shown are for operation at 80 Mc.
5763	Beam power amplifier of the 9-pin miniature type for use in compact, low-power mobile transmitters and in the low-power stages of fixed station transmitters. Particularly useful in doubler and tripler service. Has unipotential cathode. Typical values shown are for operation at 50 Mc.

GLOW-DISCHARGE (Cold-Cathode) TUBES

Type	Description
VOLTAGE-REGULATOR TYPES	
OA2	Miniature button 7-pin base.
OA3	Octal 6-pin base.
OB2	Intended for use in applications where it is necessary to maintain a constant dc output voltage across a load, independent of load current and moderate line-voltage variations. Miniature button 7-pin base.
OC3	Octal 6-pin base.
OD3	Octal 6-pin base.
874	Medium, 4-pin bayonet base.
991	Candelabra, double-contact base.
5651	Voltage-reference tube of the miniature 7-pin type designed for extreme voltage stability. Voltage stability is such that voltage fluctuations at any current value within the operating current range (1.5 to 3.5 ma.) are less than 0.1 volt.
RELAY TYPES	
OA4-G	For use in calculating machines and carrier-current relay systems. Octal 6-pin base.
1C21	Similar to OA4-G, but for dc operation only.
5823	Miniature 7-pin type intended primarily for the "on-off" control of low-current electrical circuits.

For key to terminal connections, see page 11.



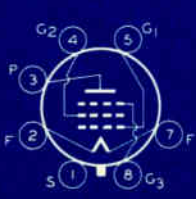
VACUUM POWER TUBES

Cathode		Max. Dimensions Inches		Trans-conductance Micro-mhos	Class of Service	Max. Frequency for Full Input Mc	Max. Plate Ratings			Typical Operating Conditions							Type
							Volts	DC Input Watts	Dis-sipation Watts	Plate Volts	Grid No. 3 Volts	Grid No. 2 Volts	Grid No. 1 Volts	Plate Amperes	Approx. Driving Power Watts	Power Output Watts	
BEAM POWER TUBES AND PENTODES (Air-Cooled)—Cont'd																	
6.3	0.9	4 $\frac{5}{16}$	1 $\frac{5}{8}$	6050	• C-P • C-T	80 80	375 450	35 45	21 25	375 450	— —	250 250	-50 -45	0.093 0.1	0.15 0.15	24.5 31	1614
2.5	2.0	4 $\frac{5}{16}$	1 $\frac{5}{8}$	4500	AB ₂ C-P C-T	— 45 45	400 325 400	30 20 30	15 10 15	400 325 400	— — —	300 285 300	-16.5 -50 -55	0.075 0.062 0.075	0.4 0.18 0.36	36 13 19.5	1619
2.5	2.0	5 $\frac{3}{4}$	2 $\frac{1}{16}$	4000	AB ₂ C-P C-T	— 60 60	600 500 600	54 37.5 25	25 16.5 25	600 500 600	— — —	300 275 300	-25 -50 -60	0.042 0.075 0.09	1.2 0.25 0.43	72 24 35	1624
12.6	0.45	5 $\frac{3}{4}$	2 $\frac{1}{16}$	For maximum ratings and typical operating conditions, refer to Type 807.												1625	
6.0° 3.0°	0.23° 0.46°	2 $\frac{5}{8}$	3 $\frac{1}{4}$	—	C-T-F	100	300	7.5	5	300	—	75	-45	0.025	0.3	5.2	5618
					Doubler to 80 Mc → Tripler to 80 Mc →				300	—	75	-125	0.025	0.75	4.2		
6.0	0.75	2 $\frac{5}{8}$	7 $\frac{1}{8}$	7000	C-T-F	175	300	15	12	300	—	250	-60	0.05	0.35	8	5763
					Doubler to 175 Mc → Tripler to 175 Mc →				300	—	†	-75	0.04	0.6	3.6		
											†	-100	0.35	0.6	2.8		

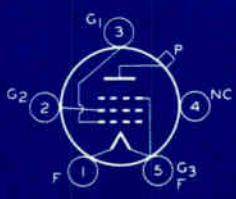
GLOW-DISCHARGE (Cold-Cathode) TUBES

Applications	Max. Dimensions Inches		Max. Starting Current Ma.	DC Operating Current Ma.		Ambient Temperature Range °C	Operating Conditions					Type	
	Length	Diam.		Max.	Min.		Approx. DC Starting Volts	Min. DC Anode-Supply Volts	Approx. DC Operating Volts	Regulation			
													Type
VOLTAGE-REGULATOR TYPES													
Regulation of dc voltage supplies for amplifiers, oscillators, etc.; can also be used as relaxation oscillators.	2 $\frac{5}{8}$	3 $\frac{1}{4}$	75	30	5	-55 to +90	156	185	151	5 to 30	2	OA2	
	4 $\frac{1}{8}$	1 $\frac{9}{16}$	100	40	5	-55 to +90	100	105	75	5 to 40	5	OA3	
	2 $\frac{5}{8}$	3 $\frac{1}{4}$	75	30	5	-55 to +90	115	133	108	5 to 30	1	OB2	
	4 $\frac{1}{8}$	1 $\frac{9}{16}$	100	40	5	-55 to +90	115	133	108	5 to 40	2	OC3	
	4 $\frac{1}{8}$	1 $\frac{9}{16}$	100	40	5	-55 to +90	160	185	153	5 to 40	4	OD3	
	5 $\frac{3}{8}$	2 $\frac{1}{16}$	100	50	10	-55 to +90	115	130	90	10 to 50	7	874	
	1 $\frac{9}{16}$	3 $\frac{1}{8}$	—	2	0.4	—	67	87	59	0.4 to 2.0	8	991	
Voltage-Reference Tube	2 $\frac{1}{8}$	3 $\frac{1}{4}$	—	3.5	1.5	-55 to +90	107	115	87	1.5 to 3.5	3	5651	
RELAY TYPES													
Relay Service	4 $\frac{1}{8}$	1 $\frac{9}{16}$	Max. Peak Inverse Anode Volts, 225 Peak Starter-Electrode Breakdown Volts, +75 to +90				Max. Peak Cathode Current, 100 ma. Max. Av. Cathode Current, 25 ma.				OA4-G		
	2 $\frac{5}{8}$	1 $\frac{5}{16}$	Max. Peak Inverse Anode Volts, 180 Peak Starter Electrode Breakdown Volts, +66 to +80				Max. Peak Cathode Current, 100 ma. Max. Average Cathode Current, 25 ma.				1C21		
	2 $\frac{1}{8}$	3 $\frac{1}{4}$	Max. Peak Anode and Starter-Electrode Volts (Inverse and Forward), 200 volts Peak Starter-Electrode Breakdown Volts, +73 to +105				Max. Peak Cathode Current, 100 ma. Max. Average Cathode Current, 25 ma.				5823		

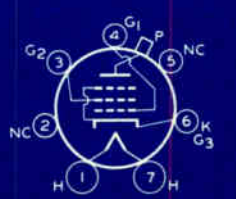
For explanatory notes on class of service, see page 10. ° For series filament arrangement, filament voltage is applied between pins No. 1 and No. 7. The grid-No. 1 voltage is referred to pin No. 1, and grid-No. 3 is connected to pin No. 1. * For parallel filament arrangement, filament voltage is applied between pins No. 5 and pins No. 1 and No. 7 connected together. Grid-No. 1 voltage is referred to pin No. 5, and grid-No. 3 is connected to pin No. 5. † Obtained from plate supply voltage of 300 volts through a series resistor of 12500 ohms.



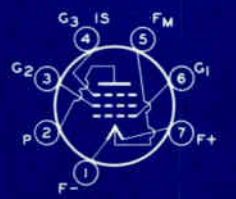
1619



1624



1625



5618




5763




5823

RECTIFIERS

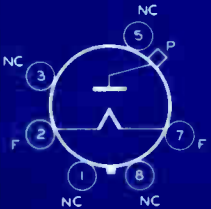


 Type	Description ^{△△}
VACUUM TYPES	
2X2-A	Heater-cathode type. Small 4-pin base. Small cap.
2V3-G	Tungsten-filament type. Octal 6-pin base. Skirted miniature cap.
5R4-GY	Full-wave coated-filament type. Medium shell, octal 5-pin, micanol base.
217-C	Thoriated-tungsten filament type. Jumbo 4-pin base. Medium cap.
579-B	Thoriated-tungsten fil. Super-jumbo 4-pin base. Wire top terminal.
836	Heater-cathode type. Medium 4-pin, bayonet base. Medium cap.
878	Thoriated-tungsten filament type. 4-pin base. Skirted medium cap.
1616	Coated-filament type. Medium 4-pin, bayonet base. Medium cap.
5825	Thoriated-tungsten filament type. Medium shell small 4-pin base.
8013-A	Thoriated-tungsten filament type. 4-pin base. Skirted medium cap.
8020	Thoriated-tungsten filament type. Medium 4-pin, bayonet base.

^{△△} Unless otherwise stated, these types are half-wave rectifiers.

 Type	Description**
MERCURY-VAPOR TYPES	
575-A	Half-wave rectifier. Jumbo 4-pin base. Ceramic insulated medium cap.
673	Same as 575-A except for super-jumbo 4-pin, bayonet base.
816	Half-wave rectifier. Small 4-pin base. Small cap.
857-B	Half-wave rectifier. Special terminal connections. Skirted large cap.
866-A	Half-wave rectifier. Medium 4-pin, bayonet base. Ceramic insulated medium cap.
869-B	Half-wave rectifier. Special end-mounting for base. Skirted large cap.
872-A	Half-wave rectifier. Jumbo 4-pin base. Ceramic insulated medium cap.
5558	Half-wave rectifier. Medium 4-pin, bayonet base. Medium cap.
5561	Half-wave rectifier. Super-jumbo 4-pin, bayonet base.
8008	Same as type 872-A except for super-jumbo 4-pin base.
GAS TYPES	
3B25	Half-wave Xenon rectifier. Medium 4-pin, bayonet base. Medium cap.
4B26/2000	Half-wave Argon rectifier. Mogul screw base. Wire top terminal.

For key to terminal connections, see page 11. Note 6: F₁ lead has insulating beads. Note 7: F₁ is on left side of tube type marking on base. ** All of these types have thoriated-tungsten filaments. Note 8: Use jumpers across socket terminals 1 and 2, 3 and 4.



2V3-G



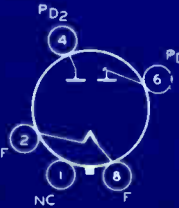
2X2-A



3B25 816 866-A



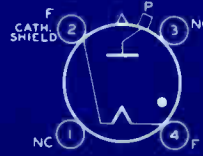
4B26/2000



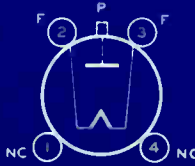
5R4-GY



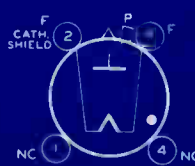
217-C



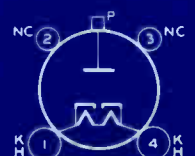
575-A and 872-A history



579-B



673



8008

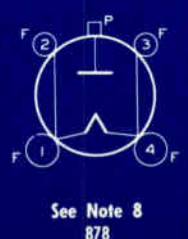
836

RECTIFIERS


Applications	Cathode		Max. Dimensions Inches		Max. Plate or Anode Ratings			 Type
	Volts	Amp.	Length	Diam.	Peak Inverse Volts	Peak Amperes	Average Amperes	
VACUUM TYPES								
For equipment subject to excessive shock and vibration.	2.5	1.75	4 ¹⁷ / ₃₂	1 ⁹ / ₁₆	12500†	0.06†	0.0075†	2X2-A
For high-voltage low-current uses.	2.5	5.0	4 ¹⁵ / ₃₂	1 ⁹ / ₁₆	16500†	0.012†	0.002†	2V3-G
For low-power stages of transmitters.	5.0	2.0	5 ⁵ / ₁₆	2 ¹ / ₁₆	2800†	0.65†°	0.175† ^A	5R4-GY
For renewal use.	10.0	3.25	7 ³ / ₁₆	2 ⁵ / ₁₆	7500	0.6	0.15	217-C
For high-voltage low-current uses.	2.5	6.0	7 ⁷ / ₁₆	2 ¹ / ₁₆	20000	0.27	0.025	579-B
For transmitters subject to large ambient temperature range.	2.5	5.0	6 ⁹ / ₁₆	2 ⁷ / ₁₆	5000	1.0	0.25	836
For high-voltage low-current uses.	2.5	5.0	7 ⁵ / ₈	1 ¹³ / ₁₆	20000	0.02	0.005	878
For transmitters requiring quick operation.	2.5	5.0	6 ¹³ / ₁₆	2 ¹ / ₁₆	6000	0.8	0.13	1616
For rf-operated, high-voltage, low-current power supplies.	1.6	1.25	5 ³ / ₃₂	2 ¹ / ₁₆	60000	0.04	0.002	5825
For high-voltage low-current uses.	2.5	5.0	6 ¹ / ₁₆	2 ¹ / ₁₆	40000	0.15	0.02	8013-A
For high-voltage low-current uses.	5.0	6.0	8	2 ⁵ / ₁₆	40000	0.75	0.1	8020

Cathode		Max. Dimensions Inches		Tube Voltage Drop	Max. Plate or Anode Rating					Operating Conditions (Single-Phase Full-Wave 2 Tubes) ^{oo}				 Type
Volts	Amp.	Length	Diam.		Temp. Range Condensed Mercury °C	Peak Inverse Volts	Peak Amperes	Average Amperes	Surge Amperes	Peak Inverse Volts	Max. AC Plate-to-Plate Supply Volts	Approx. DC Output Volts To Filter	Max. DC Output Amperes	
MERCURY-VAPOR TYPES														
5.0	10.0	11 ¹ / ₁₆	3 ¹³ / ₁₆	10	25 to 50	15000	6.0	1.5	60	15000	10600	4780	3.0	575-A
5.0	10.0	11 ³ / ₈	3 ¹³ / ₁₆		For maximum ratings and operating conditions refer to Type 575-A									673
2.5	2.0	4 ¹¹ / ₁₆	1 ⁹ / ₁₆	15	20 to 60	7500	0.5	0.125	—	7500	5300	2390	0.25	816
5.0	30.0	19 ⁷ / ₈	7 ¹ / ₈	15	30 to 40	22000	40.0	10.0	400	22000	15500	7000	20.0	857-B
2.5	5.0	6 ⁹ / ₁₆	2 ⁷ / ₁₆	15	25 to 60 25 to 70	10000 2000	1.0 2.0	0.25 0.5	—	10000 2000	7070 1410	3180 635	0.5 1.0	866-A
5.0	19.0	14 ⁷ / ₁₆	5 ¹ / ₁₆	10	30 to 40	20000	10.0	2.5	100	20000	14000	6300	5.0	869-B
5.0	7.5	8 ¹ / ₂	2 ⁵ / ₁₆	10	20 to 60	10000	5.0	1.25	—	10000	7070	3180	2.5	872-A
5.0	4.5	7	3	12	30 to 60	5000	15.0	2.5	200	5000	4545	1590	5.0	5558
5.0	10.0	11 ¹ / ₄	3 ¹³ / ₁₆	15	40 to 80	3000	12.8	6.4	400	3000	2125	955	12.8	5561
5.0	7.5	8 ³ / ₄	2 ⁵ / ₁₆		For maximum ratings and operating conditions, refer to Type 872-A									8008
GAS TYPES														
2.5	5.0	6 ⁵ / ₁₆	2 ¹ / ₁₆	10	—	4500	2.0	0.5	20.0	4000	2800	1270	1.0	3B25
Ambient Temperature Range, -75 to +90 °C														
2.2	18.0	7	3 ¹ / ₄	8	—	—	36.0	6.0	Max. Peak Inverse Anode Volts for half-wave circuit, 375				4B26/2000	

To facilitate comparison between types, all values are given on an absolute-maximum basis. † Excluding Flexible Leads. ° Condition assumed; (1) Sine-wave supply, (2) Zero tube drop, (3) Pure resistance load, (4) No filter. * With choke-input to filter. † Design-Center Values. ° Per Plate.



THYRATRONS

 Type	Description
TRIODES (Mercury-Vapor Types)	
3C23	Negative-control, filament type. Medium 4-pin, bayonet base. Medium cap.
627	Negative-control, filament type. Super-jumbo 4-pin base. Medium cap.
676	Negative-control, heater-cathode type. Large shell, super-jumbo 4-pin base. No. 3985 cap.
677	Negative-control, heater-cathode type. Large shell, super-jumbo 4-pin base.
5557	Negative-control, filament type. Medium 4-pin, bayonet base. Medium cap.
5559	Negative-control, heater-cathode type. Same base and cap as Type 5557.
5563	Negative-control, coated-filament type. Medium metal-shell jumbo 4-pin base. Skirted medium cap.
TRIODES (Gas Types)	
629	Negative-control, heater-cathode type. Small shell, super-jumbo 4-pin base.
884	Negative-control, heater-cathode type. Small shell, octal 6-pin base.
885	Same as 884 except for 2.5-volt heater, small 5-pin base. For renewal use.
TETRODES (Mercury-Vapor Types)	
105	Negative-control, heater-cathode type. Super-jumbo 4-pin, bayonet base. No. 3917 top and side cap.
172	Metal, negative-control, heater-cathode type. Special terminal connections.
672-A	Negative-control, heater-cathode type. Super-jumbo 4-pin base. No. 3995 cap.
5560	Heater-cathode type. Medium 4-pin, bayonet base. Medium cap.
TETRODES (Gas Types)	
2D21	Miniature heater-cathode type. Can be operated in a high-sensitivity circuit directly from a high-vacuum phototube. Miniature button 7-pin base.
3D22	Xenon-filled heater-cathode type. Suitable for motor-control. Medium metal shell, giant 7-pin, bayonet base.
502-A	Metal, negative-control, heater-cathode type. Octal 8-pin base.
2050	Negative-control, heater-cathode type. Can be operated directly from a high-vacuum phototube. Octal 8-pin base.
5696	Miniature 7-pin type for relay applications such as counter-circuits where low-heater-current drain and short deionization time are important considerations.

For key to terminal connections, see page 11.



2021 5696



3C23 5557



3D22



105



172



502-A



627



629



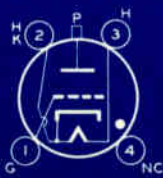
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672-A

THYRATRONS

Applications	Cathode		Max. Dimensions Inches		Approx. Tube Drop Volts	Maximum Ratings							RCA Type
						Temperature Range		Peak Forward Anode Volts	Peak Inverse Anode Volts	Peak Cathode Amperes	Average Cathode Amperes	Surge Amperes	
	Volts	Amp.	Length	Diam.		Condensed Mercury °C	Ambient °C						
TRIODES (Mercury-Vapor Types)													
Relay controls and grid-controlled rectifiers.	2.5	7.0	6 1/8	2 1/16	15	—	-40 to +80†	1250	1250	3.0	1.5	120	3C23
	2.5	6.0	7	2 1/16	12	25 to 70	—	1250	2500	2.5	0.64	25	627
	5.0	10.0	11 3/4	3 3/16	12	40 to 80	—	2500	2500	40.0	6.4	200	676
			Welder-Control Ratings →		40 to 90	—	750	750	77.0	2.5	200		
	5.0	10.0	11 3/4	3 3/16	12	30 to 50	—	10000	10000	15.0	4.0	16	677
	2.5	5.0	6 5/8	2 1/16	16	40 to 80	—	2500	5000	1.0	0.5	40	5557
	5.0	4.5	7 1/4	3	16	40 to 80	—	1000	1000	5.0	2.5	200	5559
5.0	10.0	11 1/16	3 7/8	15	25 to 50 25 to 55	—	15000 10000	15000 10000	6.4 10.0	1.6 1.8	200 200	5563	
TRIODES (Gas Types)													
Relaxation oscillators.	2.5	2.6	4 1/4	1 1/16	15	—	-40 to +70	350	350	0.2	0.04	2	629
	6.3	0.6	4 1/8	1 1/16	14	—	-75 to +90	350	—	0.3	0.075	—	884
			Max. Ratings for Relaxation Oscillator (Sweep-Circuit Service) { Peak Anode Volts, 300 Peak Cathode Amp., 0.3										
	2.5	1.5	4 3/16	1 1/16	—	For additional data, refer to Type 884							885
TETRODES (Mercury-Vapor Types)													
Relay controls and grid-controlled rectifiers.	5.0	10.0	11 1/4	2 13/16*	16	40 to 80	—	2500	2500	12.8	6.4	400	105
	Max. Ratings for Intermittent Service:						25 to 50	—	10000	10000	8.0	4.0	
	5.0	10.0	10 3/4	2 3/8*	16	40 to 80	—	2000	2000	13.0	6.4	400	172
	5.5	11.0	Welder-Control Ratings:			30 to 95	—	750	750	13.0	2.5	400	
Relay controls and ignitor firing.	5.0	5.0	8 1/4	2 5/16	12	40 to 80	—	2500	2500	40.0	3.2	150	672-A
	5.0	4.5	7 15/16	2 1/4*	16	40 to 80	—	1000	1000	5.0	2.5	200	
TETRODES (Gas Types)													
High-sensitivity relay control circuits.	6.3	0.6	2 1/8	3/4	8	—	-75 to +90	650	1300	0.5	0.1	10	2D21
	Typical Operating Conditions for Relay Service { Anode Volts, 400 Grid-No. 1-Circuit Resistance, 1 megohm												
	6.3	2.6	4 5/8	2 3/8	10	—	-75 to +90	650	1500	8.0	0.8	30	3D22
	Grid-No. 1-Circuit Resistance, 2 megohms max.												
	6.3	0.6	2 5/8	1 5/16	11	—	-55 to +90	650	1300	1.0	0.1	10	502-A
	6.3	0.6	4 1/8	1 9/16	8	—	-75 to +90	650	1300	1.0	0.1	10	2050
	6.3	0.15	1 3/4	3/4	10	—	-55 to +90	500	500	0.1	0.025	2	5696
Typical Operating Conditions for Relay Service: { AC Anode Voltage (RMS), 117 volts Grid-No. 1 Bias Volts (RMS), 5										Peak Grid-No. 1 Signal Volts, 5 Grid-No. 1-Circuit Resistance, 0.1 megohm			

All Thyatron ratings are for Continuous Service, unless otherwise specified. † Tube contains Mercury and Argon. Recommended condensed-mercury temperature, 40°C.
 * Maximum Radius. ‡ Design-Center Values. ° Per Plate.



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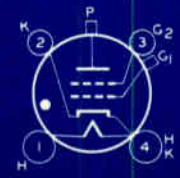
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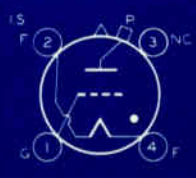
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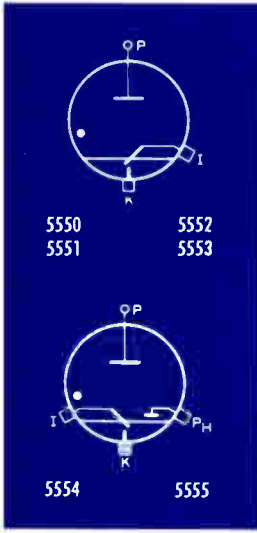


5560



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IGNITRONS



RCA Type	Descriptions	Max. Dimensions Inches		Class of Service ^o	RMS Supply Volts	Maximum Anode Ratings [■] For Frequencies from 25 to 60 Cycles							
		Rigid Length	Diam.			Kva Demand	Peak Inverse or Forward Volts	Surge Amperes*	Averaging Time Seconds	Peak Amperes		Average Amperes	
										Welder Service	Rectifier Service	Welder Service	Rectifier Service
5550 Size A	Compact, steel-jacketed type with clamp-on water jacket. When water cooling is not required, the 5550 may be operated with air-cooling. Will handle a 300-kva demand and is equivalent to a 150-ampere magnetic contactor. <i>For Max. Ignition Requirements, see Note 1.</i>	10	2 3/4	AC Welder- Control	250	100	—	1100	22	550	—	22.4	—
					600	100	—	460	9.2	230	—	22.4	—
		AC Welder-Control Ratings with Air Cooling		250	300	—	3360	22	1680	—	12.1	—	
		600	300	—	1400	9.2	700	—	12.1	—			
5551 Size B	Steel-jacketed type recommended for welder-control service but also useful for rectifier service in low-power circuits. Will handle a 600-kva demand and is equivalent to a 300-ampere magnetic contactor. <i>For Max. Ignition Requirements, see Note 1.</i>	13 1/2	5 3/4 [▲]	AC Welder- Control	250	200	—	2240	18	1130	—	56	—
					600	200	—	940	7.5	470	—	56	—
					250	600	—	6700	18	3350	—	30.2	—
		600	600	—	2800	7.5	1400	—	30.2	—			
		Intermittent Rectifier		—	—	500	8000	6	—	700	—	40	—
		5552 Size C	Steel-jacketed type recommended for welder-control service but also useful for rectifier service in low-power circuits. Will handle a 1200-kva demand and is equivalent to a 600-ampere magnetic contactor. <i>For Max. Ignition Requirements, see Note 1.</i>	14 1/2	7 1/4 [▲]	AC Welder- Control	250	400	—	4480	14	2240	—
600	400						—	1860	5.8	930	—	140	—
Intermittent Rectifier				—	—	500	6000	6	—	1600	—	100	—
250	1200			—	13450	14	6730	—	75.6	—			
600	1200	—	5600	5.8	2800	—	75.6	—					
5553 Size D	Steel-jacketed type recommended for welder-control service. Will handle a 2400-kva demand and is equivalent to a 1200-ampere magnetic contactor. <i>For Max. Ignition Requirements, see Note 1.</i>	20	9 3/8 [▲]	AC Welder- Control	250	800	—	9000	11	4500	—	355	—
					600	800	—	3740	4.6	1870	—	355	—
					250	2400	—	27000	11	13500	—	192	—
600	2400	—	11200	4.6	5600	—	192	—					
5554	Steel-jacketed type for rectifier service in the 125, 250, 600, and 900-volts dc power field. Will handle a 1200-kva demand in 2000-volt resistance welder-control service. <i>For Max. Ignition Requirements, see Note 2. For Max. Auxiliary Anode Requirements, see Note 3.</i>	17 1/2	7 5/8 [▲]	Rectifier	—	—	900	6000	—	—	900	—	100
				—	—	2100	4500	—	—	600	—	75	—
AC Welder- Control		2400	1200	—	3000	1.5	1500	—	75	—			
2400	600	—	3000	1.5	1500	—	113	—					
5555	Steel-jacketed type for rectifier service in the 125, 250, 600, and 900-volts dc power field. Will handle a 2400-kva demand in 2400-volt resistance welder-control service. <i>For Max. Ignition Requirements, see Note 2. For Max. Auxiliary Anode Requirements, see Note 3.</i>	18 1/2	9 1/8 [▲]	Rectifier	—	—	900	12000	—	—	1800	—	200
				—	—	2100	9000	—	—	1200	—	150	—
AC Welder- Control		2400	1105	—	6000	1.66	3000	—	207	—			
2400	2400	—	6000	1.66	3000	—	135	—					

Note 1: Ignition Requirements for Types 5550, 5551, 5552, and 5553: Peak Positive Volts, 200 min.—900 max.; Peak Amperes, 30 min.—100 max.; Average Amperes, 1.0 max; Average Ignition Time, 100 μ sec. max.

Note 2: Ignition Requirements for Types 5554 and 5555: Peak Positive Volts, 900 max.; Peak Amperes, 100 max.; Average Amperes, 2.0 max; Average Ignition Time, 100 μ sec. max.

Note 3: Auxiliary Anode Requirements for Types 5554 and 5555. Peak Inverse Volts (main anode conducting), 25 max.; Peak Inverse Volts (main anode non-conducting), 150 max.; Average Amperes, 5.0 max.

[■] RMS demand-voltage.—current, and kva are on the basis of full-cycle conduction (no phase delay) regardless of whether or not phase control is used. [▲] Including cooling connections. * For duration of 0.15 sec max. The surge current value is not an operating rating. It is given to assist equipment designers in choice of circuit components such that tube will not be subjected to disastrous currents under abnormal service conditions approximating a short circuit. ^o AC welder-control ratings shown are for two tubes in inverse parallel.

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OC3	12	579-B	14	845	4	5550	18
OD3	12	627	16	846	4	5551	18
1C21	12	629	16	849	4	5552	18
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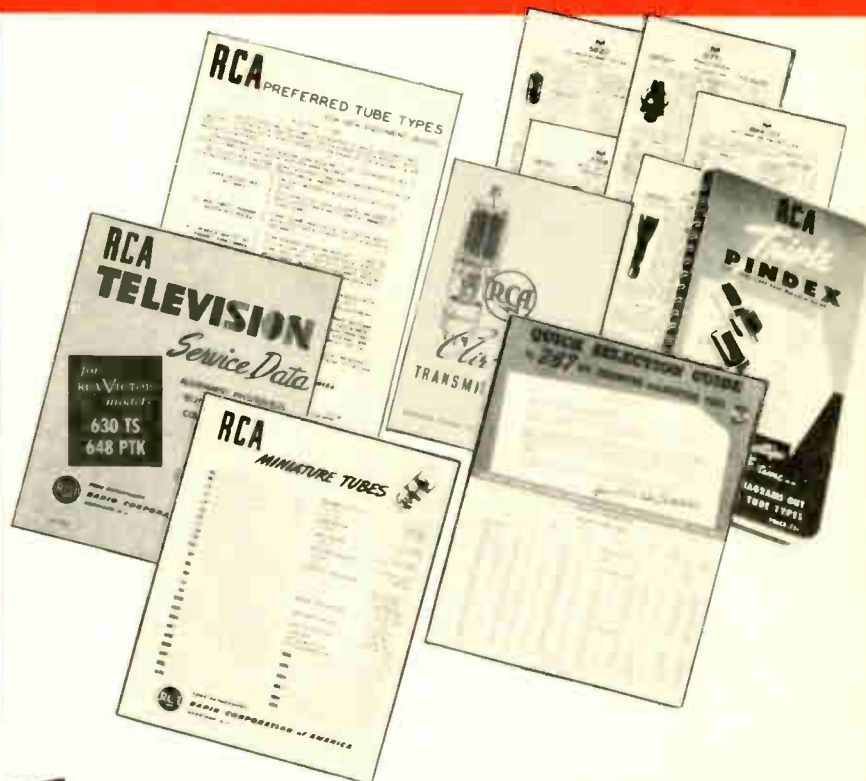
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