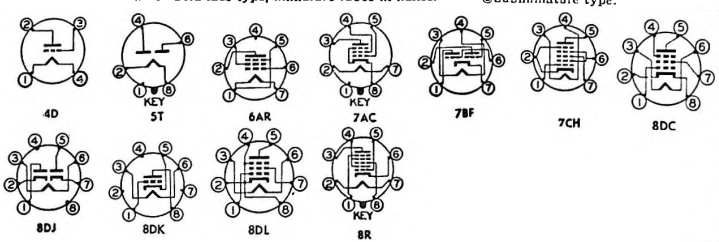
Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads: Input	Output	Grid-plate
5900 ◉	Semi-Remote-Cutoff RF Pentode	8DL	3-1	Htr	6.3	0.15	165 ▣	155 ▣	4.4	3.4	0.015 ♣
5901 ◉	Sharp-Cutoff RF Pentode	8DL	3-1	Htr	6.3	0.15	165 ▣	155 ▣	4.2	3.4	0.015
5902 ◉	Beam Power Amplifier	8DL	3-3	Htr	6.3	0.45	165 ▣	155 ▣	6.5	7.5	0.11
5903 ◉	High-Frequency Twin Diode	8DJ	3-1	Htr	26.5	0.075	Tube Voltage Drop: ♠ 4.5 v at 18 ma d-c				
5904 ◉	Medium-Mu Triode	8DK	3-1	Htr	26.5	0.045	55 ▣	—	2.4	2.2	1.8
5905 ◉	Sharp-Cutoff RF Pentode	8DL	3-1	Htr	26.5	0.045	55 ▣	55 ▣	4.4	3.4	0.015 ♣
5906 ◉	Sharp-Cutoff RF Pentode	8DL	3-1	Htr	26.5	0.045	165 ▣	155 ▣	4.2	3.4	0.015 ♣
5907 ◉	Remote-Cutoff RF Pentode	8DL	3-1	Htr	26.5	0.045	55 ▣	55 ▣	4.0	3.4	0.015 ♣
5908 ◉	Dual-Control RF Pentode	8DC	3-1	Htr	26.5	0.045	55 ▣	55 ▣	$Ec_3 = 0$ volts		
5910	Sharp-Cutoff Pentode	6AR	5-2	Fil	1.4 DC	0.05	90	90	3.6	7.5	0.008 ♣
5915	Pentagrid Amplifier	7CH	5-2	Htr	6.3	0.3	250 ▣	125 ▣	$E_{c3} = 0.0$ volts $E_{c3} = -10$ volts $E_{c3} = 0.0$ volts		
5916 ◉	Dual-Control Pentode	8DC	3-1	Htr	26.5	0.045	165 ▣	155 ▣	G_2 tied to cathode $Ec_3 = -1$ volt		
5920	Medium-Mu Twin Triode	7BF	5-3	Htr	6.3	0.4	150	—	—	—	—
5930	Low-Mu Power-Amplifier Triode (Special 2A3)	4D	T-X	Fil	2.5	2.5	360 ▣	—	—	—	—
5931	Full-Wave High-Vacuum Rectifier (Special 5U4-G)	5T	T-X	Fil	5.0	3.0	Tube Voltage Drop: ♠ 58 volts at 225 ma d-c				
5932	Beam Power Amplifier (Special 6L6-G)	7AC	T-X	Htr	6.3	0.9	400 ▣	300 ▣	—	—	—
5961	Pentagrid Converter (Special 6SA7)	8R ♥	8-1	Htr	6.3	0.3	300	100	Osc $I_{g1} = 0.5$ ma $R_{g1} = 20{,}000$ ohms		

Metal tubes are shown in bold-face type, ***miniature tubes in italics.*** ◉Subminiature type.



Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Milliamperes	Screen Milliamperes	R_p, Ohms	G_m, μmhos	μ Factor	Load for Rated Output, Ohms	Power Output, Watts	Tube Type
Class A Amplifier	100	100	$R_k = 120$	7.2	2.2	260,000	4,500	—	—	—	5900 ◉
Class A Amplifier	100	100	$R_k = 150$	7.5	2.4	230,000	5,000	—	—	—	5901 ◉
Class A Amplifier	110	110	$R_k = 270$	30	2.2	15,000§	4,200	—	3,000	1.0	5902 ◉
Full-Wave Rectifier	Max d-c output current per plate ▣ = 10 ma; max peak inverse voltage ▣ = 460 volts; rms supply voltage per plate = 150 volts; max peak current per plate ▣ = 60 ma										5903 ◉
Class A Amplifier	26.5	—	$R_g = 2.2$ meg	2.75	—	4,250§	4,700	20	—	—	5904 ◉
Class A Amplifier	26.5	26.5	$R_g = 2.2$ meg	2.3	0.9	110,000	2,850	—	—	—	5905 ◉
Class A Amplifier	100	100	$R_k = 150$	7.5	2.4	260,000	5,000	—	—	—	5906 ◉
Class A Amplifier	26.5	26.5	$R_g = 2.2$ meg	2.7	1.1	100,000	3,000	—	—	—	5907 ◉
Class A Amplifier	26.5	26.5	$R_g = 2.2$ meg	3.3	2.0	31,000§	2,200	—	—	—	5908 ◉
Class A Amplifier	90	90	0	1.6	0.45	1,500,000	900§	—	—	—	*5910*
Gated Amplifier	150‡ 150‡ 150‡	75 69§ 71§	10 0 0	0 0 5.8	0 14 9.0	$R_{g1} = R_{g3} = 47{,}000$ $R_{g1} = R_{g3} = 47{,}000$ $R_{g1} = R_{g3} = 47{,}000$	— — —	20,000 20,000 20,000	— — —		*5915*
Class A Amplifier	100 100	100 100	$R_k = 150$ $R_k = 150$	5.6 4.0	4.0 5.8	110,000§ 50,000§	3,200 1,950	— —	— —	— —	5916 ◉
Class A Amplifier ♠	100	—	1.8	8.5	—	—	5,500	25	—	—	*5920*
Frequency Halfer ♠	150‡ 150‡	— —	0 10	4.5* 0.2 ♣	— —	$R_{g1} = 47{,}000$ ohms $R_{g1} = 47{,}000$ ohms			20,000 20,000	— —	
Class A Amplifier	250	—	45	60†	—	800	5,250	4.2	2,500	3.5	5930
Full-Wave Rectifier	Max d-c output current ▣ = 250 ma; max peak inverse voltage ▣ = 1,700 volts; max rms supply voltage per plate ▣ = 500 volts; max peak current per plate ▣ = 750 ma										5931
Class A Amplifier	250	250	14	72†	5.0†	22,500	6,000	—	2,500	6.5	5932
Converter	250	100	2.0	3.5	8.5	1,000,000§	450#	—	—	—	5961

§ Approximate.
▲Without external shield.
† Zero signal.
♦ Grids 3 and 5 are screen. Grid 4 is signal-input grid.
Conversion transconductance.
♣Maximum.
♥Grids 2 and 4 are screen. Grid 3 is signal-input grid.
✱Screen supply voltage.
▣Absolute maximum rating.
‡ Plate-to-plate.
♠Per section.

⊕For both sections.
* Minimum.
¶ Heater warm-up time controlled for series-string service.
‡ Plate supply voltage.
‖ Input plate.
3—The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.
1—Section 1.
2—Section 2.
4—A resistor of 3 ohms must be put in series with heater.