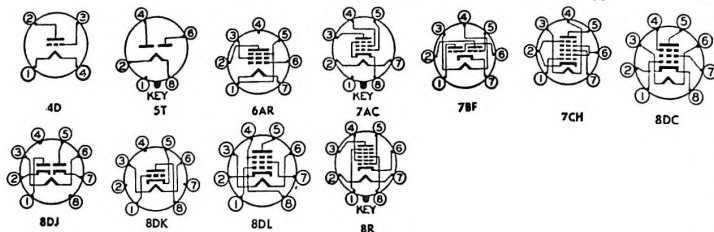


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
5900	Semi-Remote-Cutoff RF Pentode	8DL	3-1	Htr	6.3	0.15	165	155	4.4	3.4	0.015
5901	Sharp-Cutoff 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: Δ 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	$E_{c1} = 0$ volts		
5910	Sharp-Cutoff Pentode	6AR	5-2	Fil	1.4 DC	0.05	90	90	3.6	7.5	0.008
5916	Pentagrid Amplifier	7CH	5-2	Htr	6.3	0.3	250	125	$E_{c2} = 0.0$ volts $E_{c3} = -10$ volts $E_{c4} = 0.0$ volts		
5916	Dual-Control Pentode	8DC	3-1	Htr	26.5	0.045	165	155	G_2 tied to cathode $E_{c1} = -1$ 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: Δ 58 volts at 225 ma 1-l-c				
5932	Beam Power Amplifier (Special 6L6-G)	7AC	T-X	Htr	6.3	0.9	400	300	—	—	—
5961	Pentacrid Converter (Special 6SA7)	8R	8-1	Htr	6.3	0.3	300	100	Osc $I_{p1} = 0.5$ ma $R_{p1} = 20,000$ ohms		

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

③ Subminiature type.



Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Milli-am-peres	Screen Milli-am-peres	R_p Ohms	G_m umhos	μ Factor	Load for Rated Out-put, Ohms	Power Out-put, 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 $\Phi = 10$ ma; max peak inverse voltage $\Phi = 460$ volts; rms supply voltage per plate $\Phi = 150$ volts; max peak current per plate $\Phi = 60$ ma										
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 0 0	10 0 0	0 0 5.8	0 14 9.0	$R_{k1} = R_{k2} = 47,000$ $R_{k1} = R_{k2} = 47,000$ $R_{k1} = R_{k2} = 47,000$	—	—	20,000 20,000 20,000	—	5916
Class A Amplifier	100	100	$R_k = 150$	5.6	4.0	110,000	3,200	—	—	—	5916
Class A Amplifier	100	100	$R_k = 150$	4.0	5.8	50,000	1,950	—	—	—	5920
Class A Amplifier	100	—	1.8	8.5	—	—	5,500	25	—	—	5930
Frequency Halfer	150 150	—	0	4.5 0.2	—	$R_{k1} = 47,000$ ohms $R_{k1} = 47,000$ ohms	—	—	20,000 20,000	—	5931
Class A Amplifier	250	—	45	60	—	800	5,250	4.2	2,500	3.5	5932
Full-Wave Rectifier	Max d-c output current $\Phi = 250$ ma; max peak inverse voltage $\Phi = 1,700$ volts; max rms supply voltage per plate $\Phi = 500$ volts; max peak current per plate $\Phi = 750$ ma										
Class A Amplifier	250	250	14	72	5.0	22,500	6,000	—	2,500	6.5	5961
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.

③ For both sections.

* Minimum.

† Heater warm-up time controlled for series-string service.

‡ Plate supply voltage.

§ Input plate.

* The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.

† Section 1.

‡ Section 2.

§ A resistor of 3 ohms must be put in series with heater.