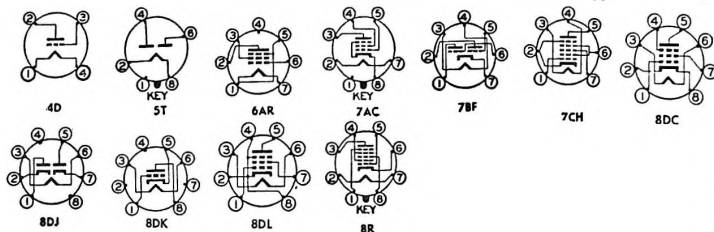


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
5900 Ⓢ	Semi-Remote-Cutoff RF Pentode	8DL	3-1	Htr	6.3	0.15	165 Ⓢ	155 Ⓢ	4.4	3.4	0.015 Ⓢ
5901 Ⓢ	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: Ⓢ 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 ₁ = 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 Ec ₁ = -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 1-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 _{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 Milli-amperes	Screen Milli-amperes	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 _g = 120	7.2	2.2	260,000	4,500	—	—	—	5900 Ⓢ
Class A Amplifier	100	100	R _g = 150	7.5	2.4	230,000	5,000	—	—	—	5901 Ⓢ
Class A Amplifier	110	110	R _g = 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										
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 _g = 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 Ⓢ 09 Ⓢ 71 Ⓢ	10 Ⓢ 0 0	0 0 5.8	0 14 9.0	R _{g1} = R _{g2} = 47,000 R _{g1} = R _{g2} = 47,000 R _{g1} = R _{g2} = 47,000	—	20,000 20,000 20,000	—	—	5916
Class A Amplifier	100	100	R _g = 150	5.6	4.0	110,000 Ⓢ	3,200	—	—	—	5916 Ⓢ
	100	100	R _g = 150	4.0	5.8	50,000 Ⓢ	1,950	—	—	—	
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										
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.

† 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.