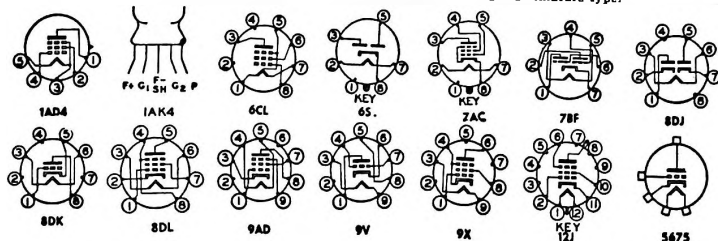


Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
5839	Full-Wave High-Vacuum Rectifier	6S	T-X	Htr	26.5	0.285	—	—	—	—	—
5840	Sharp-Cutoff RF Pentode	8DL	3-1	Htr	6.3	0.15	165	155	4.2	3.4	0.015
5842	High-Mu Triode	9V	6-1	Htr	6.3	0.3	180	—	—	—	—
5844	Medium-Mu Twin Triode	7BF	5-2	Htr	6.3	0.3	175	—	2.4	0.5	2.7
									0.4	0.4	
5847	Sharp-Cutoff RF Pentode	9X	6-1	Htr	6.3	0.3	180	150	7.1	2.9	0.04
5851	Beam Power Amplifier	6CL	T-X	Fil	1.25 2.50 DC	0.11 0.055	180	135	2.5	3.0	0.055
5852	Full-Wave High-Vacuum Rectifier	6S	T-X	Htr	6.3	1.2	—	—	—	—	—
5854	Power Amplifier Pentode	1AK4	2-1	Fil	1.25	0.03	50	50	—	—	—
5871	Beam Power Amplifier (Special 6V6-GT)	7AC	9-11	Htr	6.3	0.45	315	285	9.5	7.5	0.7
5873	Medium-Mu Twin Triode	5873	3-2	Htr	6.3	0.3	300	—	—	—	—
5875	Sharp-Cutoff Pentode	1AD4	2-1	Fil	1.25 DC	0.1	90	90	4.0	4.0	0.03
											0.4
5876	High-Mu Triode (Pencil)	5875	T-X	Htr	6.3	0.135	300	—	2.5	0.035	1.4
											0.4
5879	Sharp-Cutoff AF Pentode	9AD	6-2	Htr	6.3	0.15	300	150	Pentode Connection — Triode Connection (G ₁ , G ₂ & P Tied)		
5881	Beam Power Amplifier (Special 6L6-G)	7AC	T-X	Htr	6.3	0.9	360	270	Single Tube Two tubes, Push-pull		
5890	Remote-Cutoff Pentode Regulator	12J	T-X	Htr	6.3	0.6	30,000	450	E _b = 5,500 volts E _c = 5,500 volts E _d = 5,500 volts		
5896	High-Frequency Twin Diode	8DJ	3-1	Htr	6.3	0.3	Tube Voltage Drop: 4.5 v at 18 ma d-c				
5897	Medium-Mu Triode	8DK	3-1	Htr	6.3	0.15	165	—	2.2	0.7	1.40
5898	High-Mu Triode	8DK	3-1	Htr	6.3	0.15	165	—	2.40	0.60	0.70
5899	Semi-Remote-Cutoff RF Pentode	8DL	3-1	Htr	6.3	0.15	165	155	4.2	3.4	0.015
											0.4

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

Subminiature type.



Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Milli-am-peres	Screen Milli-am-peres	R _p Ohms	G _m μmhos	# Fac-tor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Full-Wave Rectifier	Max d-c output current = 65 ma; max peak inverse voltage = 1,375 volts; rms supply voltage per plate = 300 volts; max peak current per plate = 270 ma										5839
Class A Amplifier	100	100	R _k = 150	7.5	2.4	260,000	5,000	—	—	—	5840
Class A Amplifier	150	—	R _k = 62	26	—	1,800	24,000	43	—	—	5842
Class A Amplifier	100	—	R _k = 470	4.8	—	7,950	3,400	27	—	—	5844
Class A Amplifier	150	—	0	4.8	—	R _{p1} = 47,000 ohms	30,000	—	—	—	5847
Class A Amplifier	150	150	R _k = 110	13	4.5	—	12,500	—	—	—	5847
Class A Amplifier	125	125	7.5	5.5	0.9	175,000	1,600	—	—	—	5851
Full-Wave Rectifier	Max d-c output current = 65 ma; max peak inverse voltage = 1,375 volts; rms supply voltage per plate = 300 volts; max peak current per plate = 270 ma										5852
Class A Amplifier	45	45	2.0	0.8	0.25	350,000	550	—	50,000	0.0095	5854
Class A Amplifier	315	225	13	34	2.2	77,000	3,750	—	8,500	5.5	5871
Class A Amplifier	150	—	3.0	9.0	—	—	2,900	22	—	—	5873
Class A Amplifier	90	90	0	3.5	1.0	—	2,500	—	—	—	5875
Class A Amplifier	250	—	R _k = 75	18	—	8,625	6,500	56	—	—	5876
Class A Amplifier	250	100	3.0	1.8	0.4	2,000,000	1,000	—	—	—	5879
Class A Amplifier	250	—	8.0	5.5	—	13,700	1,530	21	—	—	5881
Class A Amplifier	350	250	18	53	2.5	48,000	5,200	—	4,200	11.3	5881
Class A Amplifier	250	250	14	75	4.3	30,000	6,100	—	2,500	6.7	5881
Class A Amplifier	360	270	22.5	88	5.0	—	—	—	3,300	18	5881
Class A Amplifier	360	270	22.5	88	5.0	—	—	—	6,600	26.5	5881
Shunt Regulator	30,000	200	60	0	0	—	—	—	Peak G ₁ signal = 0 volts	—	5890
	30,000	200	60	0.06	0	—	—	—	Peak G ₁ signal = 20 volts	—	5890
	30,000	200	60	0.50	0	—	—	—	Peak G ₁ signal = 45 volts	—	5890
Full-Wave Rectifier	Max d-c output current per plate = 10 ma; max peak inverse voltage = 400 volts; rms supply voltage per plate = 150 volts; max peak current per plate = 60 ma										5896
Class A Amplifier	100	—	R _k = 150	8.5	—	—	5,800	27	—	—	5897
Class A Amplifier	150	—	—	20	—	—	Frequency = 500 mc	—	—	—	5897
Class A Amplifier	160	—	R _k = 680	1.7	—	—	2,700	70	—	—	5898
Class A Amplifier	100	100	R _k = 120	7.2	2.0	260,000	4,500	—	—	—	5899

† Approximate.
 * Without external shield.

† Zero signal.
 ‡ Grids 3 and 5 are screen. Grid 4 is signal-input grid.

Conversion transconductance.

Δ 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.