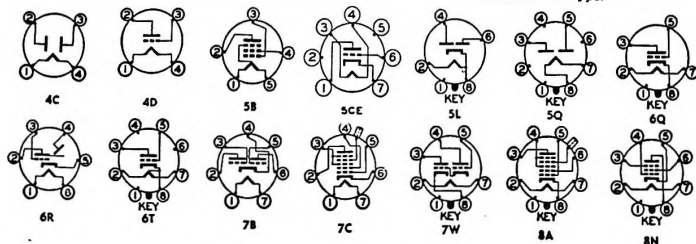


Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
5Y4-GA 5Y4-GT	Full-Wave High-Vacuum Rectifier	5Q	T-X 9-13 or 9-42	Fil	5.0	2.0	Tube Voltage Drop: Φ 60 v at 125 ma d-c				
5Z3	Full-Wave High-Vacuum Rectifier	4C	16-1	Fil	5.0	3.0	Tube Voltage Drop: Φ 58 v at 225 ma d-c				
5Z4	Full-Wave High-Vacuum Rectifier	5L	8-6	Htr	5.0	2.0	Tube Voltage Drop: Φ 20 v at 125 ma				
5Z4-GT	Full-Wave High-Vacuum Rectifier	5L	9-11	Htr	5.0	2.0					
6A3	Power Amplifier Triode	4D	16-1	Fil	6.3	1.0	325	Single tube 2 tubes, push-pull			
6A4/LA	Power Amplifier Pentode	5B	14-1	Fil	6.3	0.3	180	180	—	—	—
6A5-G	Power Amplifier Triode	6T	16-3	Htr	6.3	1.25	250	—	Single Tube 2 tubes, push-pull		
6A6	Twin Triode Power Amplifier	7B	14-1	Htr	6.3	0.8	300	—	Both Sections in Push-pull Both Sections in Parallel		
6A7	Pentagrid Converter	7C4	12-6	Htr	6.3	0.3	300	100	Osc $I_{a1} = 0.4$ ma $R_{a1} = 50,000$ ohms		
6A8 6A8-G 6A8-GT	Pentagrid Converter	8A4	8-4 12-8 9-18	Htr	6.3	0.3	300	100	Osc $I_{a1} = 0.4$ ma $R_{a1} = 50,000$ ohms		
6AB4	High-Frequency Triode	5CE	5-2	Htr	6.3	0.15	300	—	2.2	1.4	1.5
6AB5/6N5	Electron-Ray Indicator	8R	9-26	Htr	6.3	0.15	180	Max target voltage = 180 Min target voltage = 125			
6AB7/1853	Remote-Cutoff RF Pentode	8N	8-1	Htr	6.3	0.45	300	200	8.0	5.0	0.015 Φ
6AB8	Triode-Pentode	9AT	6-3	Htr	6.3	0.3	350 200	250 —	Pentode Section Triode Section		
6AC5-GT	Triode Power Amplifier	6Q	9-11	Htr	6.3	0.4	250	—	2 tubes, Push-pull		
6AC6-GT	Dynamic-Coupled Power Amplifier	7W	9-11	Htr	6.3	1.1	180	—	—	—	—
6AC7 6AC7-W	RF Pentode	8N	8-1	Htr	6.3	0.45	300	150	11	5	0.015 Φ

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-amperes	Screen Milli-amperes	R _p Ohms	G _m μ mhos	# Factor	Load for Rated Output, Ohms	Power Output, Watts	Tube Type
Full-Wave Rectifier	Max d-c output current = 125 ma; max peak inverse voltage = 1400 volts; rms supply voltage per plate = 350 volts; max peak current per plate = 400 ma										5Y4-GA 5Y4-GT
Full-Wave Rectifier	Max d-c output current = 225 ma; max peak inverse voltage = 1550 volts; max rms supply voltage per plate = 430 volts; max peak current per plate = 675 ma										5Z3
Full-Wave Rectifier	Max d-c output current = 125 ma; max peak inverse voltage = 1400 volts; max rms supply voltage per plate = 350 volts; max peak current per plate = 375 ma										5Z4 5Z4-GT
Class A Amplifier Class A _{B1} Amplifier	250 325	— —	45 68	60† 80†	— —	800 —	5,250 —	4.2 —	2,500 3,000†	3.2 15	6A3
Class A Amplifier	180	180	12	22†	3.9†	45,400	2,200	—	8,000	1.4	6A4/LA
Class A Amplifier Class A Amplifier	250 325	— —	45 68	60† 80†	— —	800 —	5,250 —	4.2 —	2,500 3,000	3.75 15	6A5-G
Class B Amplifier Class A Amplifier	300 294	— —	0 6.0	35† 7.0	— —	— 11,000	— 3,200	— 35	8,000 —	10† —	6A6
Converter	250	100	3.0	3.5	2.7	360,000	550	E _{c1} (Osc Plate) = 250 thru 20,000 ohms I _{a1} = 4.0 ma			6A7
Converter	250	100	3.0	3.5	2.7	360,000	550	E _{c1} (Osc Plate) = 250 thru 20,000 ohms I _{a1} = 4.0 ma			6A8 6A8-G 6A8-GT
Class A Amplifier	250 100	— —	R _k = 200 R _k = 270	10 3.7	— —	10,900 15,000	5500 4000	60 60	— —	— —	6AB4
Tuning Indicator	Plate voltage = 135 thru 0.25 meg; target voltage = 135 (E _g = -10, shadow = 0) (E _g = 0 volt, shadow = 90°; plate current = 0.5 ma, target current $\frac{1}{2}$ = 2 ma)										6AB5/6N5
Class A Amplifier	300	200	3.0	12.5	3.2	700,000	5000	—	—	—	6AB7/1853
Class A Amplifier Class A Amplifier	200 100	200 —	7.7 2	17.5 4	3.3 —	150,000 —	3400 1350	— 18	11,000 —	1.4 —	6AB8
Class B Amplifier	250	—	0	5.0†	—	Input signal = .950 watt			10,000 †	8.0†	6AC5-GT
Class A Amplifier	180	180	0	45.0	7.0	18,000	3,000	—	3,500	3.6	6AC6-GT
Class A Amplifier	300	150	R _k = 160	10	2.5	1,000,000	9,000	—	—	—	6AC7 6AC7-W

† 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.