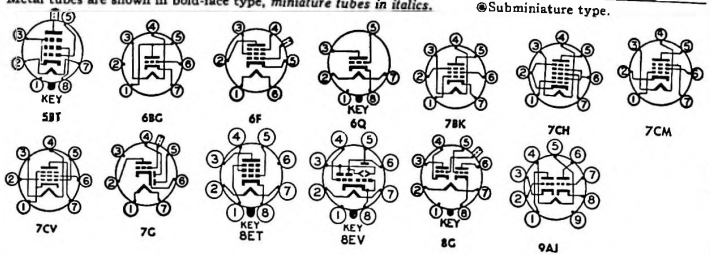
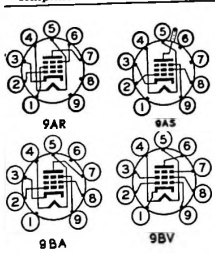
Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads: Input	Output	Grid-plate
6BY6	Dual-Control Heptode	7CH	5-2	Htr	6.3	0.3	300	150	—	—	—
6BY7	Remote-Cutoff RF Pentode	9AQ	6-3	Htr	6.3	0.3	250	250	7.2▲	3.7▲	0.007 ♣▲
6BZ6	Semi-Remote-Cutoff RF Pentode	7CM	5-2	Htr	6.3	0.3	300	150	7.5	2.8	0.015 ♣
6BZ7	High-Frequency Twin Triode	9AJ	6-2	Htr	6.3	0.4	250	—	2.5₁	1.35₁	1.15
6C4	Medium-Mu Triode	6BG	5-2	Htr	6.3	0.15	300 300	— —	1.8▲	1.3▲	1.6▲
6C5 6C5-GT	Medium-Mu Triode	6Q	8-1 9-12	Htr	6.3	0.3	300	—	3.0 4.4	11.0 12.0	2.0 2.2
6C6	Sharp-Cutoff Pentode	6F	12-2	Htr	6.3	0.3	300	125	5.0▲	6.5▲	0.007 ♣
6C7	Duplex-Diode Medium-Mu Triode	7G	12-2	Htr	6.3	0.3	250	—	—	—	—
6C8-G	Medium-Mu Twin Triode	8G	12-8	Htr	6.3	0.3	250	—	—	—	—
6CA5	Beam Power Amplifier	7CV	5-3	Htr	6.3	1.2	130	130	15▲	9▲	0.5▲
6CA7	Power Amplifier Pentode	8ET	T-X	Htr	6.3	1.5	800	425	—	—	—
6CB6	Sharp-Cutoff RF Pentode	7CM	5-2	Htr	6.3	0.3	300	150	6.5▲	2.0▲	0.020 ▲♣
6CD6-G	Beam Power Amplifier	5BT	16-5	Htr	6.3	2.5	700§	175	25▲	9.5▲	0.6▲
6CD7	Electron-Ray Indicator	8EV	T-X	Htr	6.3	0.2	300	—	Max target voltage =300 v		
6CF6	Sharp-Cutoff RF Pentode	7CM	5-2	Htr	6.3	0.3	300	150	6.5▲	2.0▲	0.02 ♣▲
6CG6	Remote-Cutoff Pentode	7BK	5-2	Htr	6.3	0.3	300	150	5.0	5.0	0.008 ♣
6CH6	RF Pentode	9BA	6-3	Htr	6.3	0.75	275	275	14▲	5.0▲	0.25▲ ♣
6CJ6	Power Amplifier Pentode	9AS	T-X	Htr	6.3	1.05	300	300	—	—	—
6CK6	Power Amplifier Pentode	9AR	6-4	Htr	6.3	0.71	300	300	11.2▲	6.6▲	0.1 ♣▲
6CL6	Power Amplifier Pentode	9BV	6-3	Htr	6.3	0.65	300	150	11▲	5.5▲	0.12 ♣▲

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
Gated Amplifier	250 10	100 25	2.5 0	6.5 1.4	9 3.5	— —	1,900 —	E_{c3} = −2.5 volts E_{c3} = 0 volts			*6BY6*
Class A Amplifier	250	100	2.0	10	2.5	500,000	6,000	—	—	—	*6BY7*
Class A Amplifier	200	150	R_k = 180	11	2.6	600,000§	6,100	—	—	—	*6BZ6*
Class A Amplifier ♠	150	—	R_k = 220	10	—	5,600§	6,800	38	—	—	*6BZ7*
Class A Amplifier Class C Amplifier	250 100 300	— — —	8.5 0 27	10.5 11.8 25	— — —	7,700 6,250 Input signal = 0.35 watt§	2,200 3,100	17 19.5	— —	— — 5.5§	*6C4*
Class A Amplifier	250	—	8.0	8.0	—	10,000	2,000	20	—	—	6C5 6C5-GT
Class A Amplifier	250	100	3.0	2.0	0.5	1,000,000*	1,225	—	—	—	6C6
Class A Amplifier	250	—	9.0	5.5	—	16,000	1,250	20	—	—	6C7
Class A Amplifier ♠	250	—	4.5	3.2	—	22,500	1,600	36	—	—	6C8-G
Class A Amplifier	125 110	125 110	4.5 4.0	37† 32†	4.0† 3.5†	15,000§ 16,000§	9,200 8,100	— —	4,500 3,500	1.5 1.1	*6CA5*
Class A Amplifier	250	250	13.5	100	15	15,000§	11,000	—	2,000	11	6CA7
Class A Amplifier	200	150	R_k = 180	9.5	2.8	600,000§	6,200	—	—	—	*6CB6*
Horizontal Deflection Amplifier	175 60	175 100	30 0	75 230	5.5 21	7,200§ —	7,700 —	— —	— —	— —	6CD6-G
	Max positive pulse plate voltage; ◉ = 8600 volts; max plate dissipation = 15 watts; max screen dissipation = 3.0 watts; max d-c cathode current = 200 ma										
Tuning Indicator	Plate voltage = 250 v thru 1 meg to each plate; target voltage = 250 v (E_g = −16, shadow angle of sector 2 minimum) (E_g = −5, shadow angle of sector 1 minimum) (E_g = 0, shadow angle of both sectors = 180°)										6CD7
Class A Amplifier	200	150	R_k = 180	9.5	2.8	600,000§	6,200	—	—	—	*6CF6*
Class A Amplifier	250	150	8.0	9.0	2.3	720,000	2,000	—	—	—	*6CG6*
Class A Amplifier	250	250	4.5	40	6.0	50,000	11,000	—	—	—	*6CH6*
Horizontal Deflection Amplifier	250	250	38.5	32	2.4	15,000	4,600	—	—	—	*6CJ6*
	Max positive pulse plate voltage₁ = 7000 volts; max plate dissipation = 8 watts; max screen dissipation = 4.5 watts; max plate plus screen dissipation = 10 watts; max d-c cathode current = 180 ma										
Class A Amplifier	250	250	5.5	36	5	130,000	10,000	—	—	—	*6CK6*
Class A Amplifier	250	150	3.0	30†	7.0†	150,000§	11,000	—	7,500	2.8	*6CL6*



▲Without external shield.
♣Maximum.
§ Approximate.
₁—Section 1.
♠Per section.
* Minimum.
† Zero signal.
‡ Plate supply voltage.
₁—The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.
◉Absolute maximum rating.