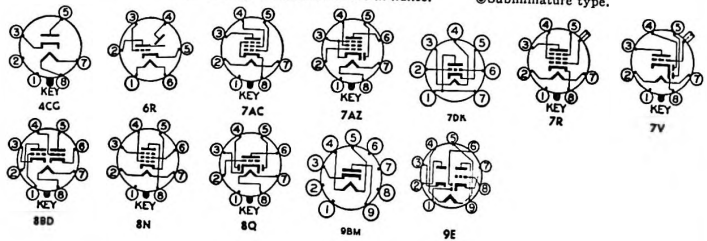
Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads: Input	Output	Grid-plate
6SL7-GT 6SL7-WGT	High-Mu Twin-Triode	8BD	9-11 or 9-41	Htr	6.3	0.3	300	—	—	—	—
6SN7-GT 6SN7-WGT	Medium-Mu Twin Triode	8BD	9-11 or 9-41	Htr	6.3	0.6	300	—	2.8_1 ▲ 3.0_2 ▲	0.8_1 ▲ 1.2_2 ▲	3.8_1 ▲ 4.0_2 ▲
6SN7-GTA 6SN7-GTB	Medium-Mu Twin Triode	8BD	9-11 or 9-41	Htr	6.3 6.3¶	0.6 0.6¶	450	—	2.2_1 ▲ 2.6_2 ▲	0.7 ▲	4.0_1 ▲ 3.8_2 ▲
6SQ7 6SQ7-GT	Duplex-Diode, High-Mu Triode	8Q	8-1 9-12	Htr	6.3	0.3	300	—	3.2 4.2 ▲	3.0 3.4 ▲	1.6 1.8 ▲
6SR7 6SR7-GT	Duplex-Diode Medium-Mu Triode	8Q	8-1 9-11	Htr	6.3	0.3	250	—	3.6 —	2.8 —	2.4 —
6SS7	Remote-Cutoff RF Pentode	8N	8-1	Htr	6.3	0.15	300	100	5.5	7.0	0.004 ♣
6ST7	Duplex-Diode Medium-Mu Triode	8Q	8-1	Htr	6.3	0.15	250	—	2.8	3.0	1.5
6SU7-GTY	High-Mu Twin-Triode	8BD	9-11	Htr	6.3	0.3	250	—	—	—	—
6SV7	Diode Sharp-Cutoff RF Pentode	7AZ	8-1	Htr	6.3	0.3	300	150	6.5	6.0	0.004 ♣
6SZ7	Duplex-Diode High-Mu Triode	8Q	8-1	Htr	6.3	0.15	300	—	2.6	2.8	1.1
6T4	UHF Triode Oscillator	7DK	5-1	Htr	6.3	0.225	200	—	2.6 ▲	0.4 ▲	1.7 ▲
6T5	Electron-Ray Indicator	6R	9-26	Htr	6.3	0.3	250‡	—	—	—	—
6T7-G	Duplex-Diode High-Mu Triode	7V	12-8	Htr	6.3	0.15	250	—	1.8	3.1	1.7
6T8	Triple-Diode High-Mu Triode	9E	6-2	Htr	6.3	0.45	300	—	1.0 ▲	1.0 ▲	2.2 ▲
6U3	Half-Wave High-Vacuum Rectifier	9BM	6-4	Htr	6.3	0.9	Tube Voltage Drop: 16 volts at 180 ma d-c				
6U4-GT	Half-Wave High-Vacuum Rectifier	4CG	9-13	Htr	6.3	1.2	Tube Voltage Drop: 21 v at 250 ma d-c				
6U5	Electron-Ray Indicator	6R	9-26	Htr	6.3	0.3	285‡	Max target voltage = 285 Min target voltage = 125			
6U6-GT	Beam Power Amplifier	7AC	9-11	Htr	6.3	0.75	200	135	—	—	—
6U7-G	Remote-Cutoff RF Pentode	7R	12-4	Htr	6.3	0.3	300	100	5.0	9.0	0.007 ♣

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
Class A Amplifier ♠	250	—	2.0	2.3	—	44,000	1600	70	—	—	6SL7-GT 6SL7-WGT
Class A Amplifier ♠	250 90	— —	8.0 0	9.0 10	— —	7,700 6,700	2600 3000	20 20	— —	— —	6SN7-GT 6SN7-WGT
Class A Amplifier ♠	250 90	— —	8.0 0	9.0 10	— —	7,700§ 6,700§	2,600 3,000	20 20	— —	— —	6SN7-GTA 6SN7-GTB
Vertical Deflection Amplifier ♠	Max positive pulse plate voltage₂ ◉ = 1500 volts; max plate dissipation = 5.0 watts; max plate dissipation ⊕ = 7.5 watts; max d-c cathode current = 20 ma										
Class A Amplifier	250 100	— —	2.0 1.0	1.1 0.5	— —	85,000§ 110,000§	1175 925	100 100	— —	— —	6SQ7 6SQ7-GT
Class A Amplifier	250	—	9.0	9.5	—	8,500	1,900	16	—	—	6SR7 6SR7-GT
Class A Amplifier	250	100	3.0	9.0	2.0	1,000,000§	1,850	—	—	—	6SS7
Class A Amplifier	250	—	9.0	9.5	—	8,500	1,900	16	—	—	6ST7
Class A Amplifier ♠	250	—	2.0	2.3	—	44,000	1,600	70	—	—	6SU7-GTY
Class A Amplifier	250 100	150 100	1.0 1.0	7.5 3.7	2.8 1.4	1,500,000§ 700,000§	3,600 2,600	— —	— —	— —	6SV7
Class A Amplifier	250	—	3.0	1.0	—	58,000	1,200	70	—	—	6SZ7
Class A Amplifier	80	—	R_k = 150	18	—	1,860§	7,000	13	—	—	*6T4*
Tuning Indicator	Plate voltage = 250 thru 1 meg. target voltage = 250 (E_g = −22 volts for max illumination) (E_g = 0 volts for min illumination)										6T5
Class A Amplifier	250	—	3.0	1.2	—	62,000	1,050	65	—	—	6T7-G
Class A Amplifier	250 100	— —	3.0 1.0	1.0 0.8	— —	58,000§ 54,000§	1,200 1,300	70 70	— —	— —	*6T8*
TV Damper Service₂	Max d-c output current = 180 ma; max peak inverse voltage = 4,000 volts; max peak current = 400 ma										*6U3*
Half-Wave Rectifier TV Damper Service₂	Max d-c output current = 125 ma; max peak inverse voltage = 1250 volts, rms supply voltage = 350 volts; max peak current = 600 ma Max d-c output current = 125 ma; max peak inverse voltage ◉ = 3850 volts; max peak current = 600 ma										6U4-GT
Tuning Indicator	Plate voltage = 250 thru 1 meg. target voltage = 250 (E_g = −22 volts, shadow = 0°) (E_g = 0 volt, shadow = 90°, plate current = 0.24 ma, target current§ = 4 ma)										6U5
Class A Amplifier	200	135	14.0	55†	3.0†	20,000	6,200	—	3,000	5.5	6U6-GT
Class A Amplifier	250	100	3.0	8.2	2.0	800,000§	1,600	—	—	—	6U7-G

§ 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.
₃—The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.
₁—Section 1.
₂—Section 2.
₄—A resistor of 3 ohms must be put in series with heater.