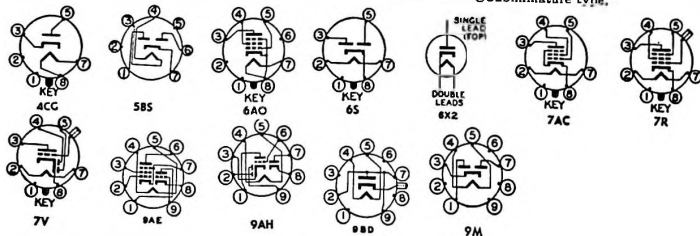


Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
6U8	Triode-Pentode	9AE	6-2	Htr	6.3	0.45	300	150	Pentode Section		
							300	—	Triode Section		
6V3 6V3-A	Half-Wave High-Vacuum Rectifier	9BD	6-7 T-X	Htr	6.3	1.75	Tube Voltage Drop: 19 v at 250 ma d-c				
6V4	Full-Wave High-Vacuum Rectifier	9M	6-4	Htr	6.3	0.6	Tube Voltage Drop: ♦ 20 v at 45 ma d-c				
6V5-GT	Beam Power Amplifier	6AO	9-11	Htr	6.3	0.45	315	285	—	—	—
6V6	Beam Power Amplifier	7AC	8-6	Htr	6.3	0.45	315	285	Single Tube		
									2 Tubes, Push-pull		
6V6-GT	Beam Power Amplifier	7AC	9-11 or 9-41	Htr	6.3	0.45	315	285	Single Tube		
							—	—	2 Tubes, Push-Pull		
							315	—	Triode Connection (G ₁ & P tied)		
6V7-G	Duplex-Diode Medium-Mu Triode	7V	12-8	Htr	6.3	0.3	250	—	2.0	3.5	1.7
6V8	Triple-Diode, High-Mu Triode	9AH	6-2	Htr	6.3	0.45	300	—	—	—	—
6W2	Half-Wave High-Voltage Rectifier	6X2	T-X	Htr	6.3	0.08	—	—	—	—	—
6W4-GT	Half-Wave High-Vacuum Rectifier	4CG	9-11 or 9-41	Htr	6.3	1.2	Tube Voltage Drop: 21 v at 250 ma d-c				
6W5-G	Full-Wave High-Vacuum Rectifier	6S	12-7	Htr	6.3	0.9	Tube Voltage Drop: ♦ 24 v at 90 ma d-c				
6W6-GT	Beam Power Amplifier	7AC	9-11 or 9-41	Htr	6.3	1.2	300	150	Pentode Connection		
							300	—	Triode Connection (G ₁ & P tied)		
6W7-G	Sharp-Cutoff Pentode	7R	12-8	Htr	6.3	0.15	300	300	5.0	8.5	0.007
6X2	Half-Wave High-Voltage Rectifier	6X2	T-X	Htr	6.3	0.09	—	—	—	—	♦
6X4	Full-Wave High-Vacuum Rectifier	5BS	5-3	Htr	6.3	0.6	Tube Voltage Drop: ♦ 22 v at 70 ma d-c				
6X5 6X5-GT	Full-Wave High-Vacuum Rectifier	6S	8-6 9-11	Htr	6.3	0.6	Tube Voltage Drop: ♦ 22 v at 70 ma d-c				

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 , μ mbos	μ - fac- tor	Load or Rated Out- put, Ohms	Power Out- put, Watts	Tube Type
Class A Amplifier	250	110	R _k = 68	10	3.5	400,000 Ω	5,200	—	—	—	6V8
Class A Amplifier	150	—	R _k = 56	18	—	5,000 Ω	8,500	40	—	—	
TV Damp-er Service	Max d-c output current = 135 ma; max peak inverse voltage @ = 8000 volts; max peak current = 800 ma										6V9 6V5-A
Full-Wave Rectifier	Max d-c output current = 90 ma; rms supply voltage per plate = 350 volts										6V4
Class A Amplifier	315 250	225 130	13 12.5	34† 45†	2.2† 4.5†	77,000 Ω 52,000 Ω	3,750 4,100	—	8,500 5,000	5.5 4.5	6V5-GT
Class A Amplifier	315 250	225 180	13 8.5	34† 29†	2.2† 3†	80,000 Ω 50,000 Ω	3,750 3,700	—	8,500 5,500	5.5 4.5	6V6
Class AB ₁ Amplifier	285 250	285 250	19 15	70† 70†	4† 5.0†	70,000 Ω 80,000 Ω	3,600 3,750	—	800† 1000†	2.0 2.0	
Class A Amplifier	315 250	225 250	13 12.5	34† 45†	2.2† 4.5†	80,000 Ω 50,000 Ω	3,750 3,700	—	8,500 5,000	5.5 4.5	6V6-GT
Class AB ₁ Amplifier	180 250	180 250	8.5 15	29† 70†	3† 5.0†	50,000 Ω —	3,700 —	—	5,500 8,000	2.0 1.4	
Vertical Deflection Amplifier	285 250	285 250	19 15	70† 70†	4† 5.0†	— 1,960 Ω	— 5,000	— 9.8	— —	— —	
Max positive pulse plate voltage @ = 1200 volts; max d-c cathode current = 35 ma	250	—	12.5	49.5	—	—	—	—	—	—	
Class A Amplifier	250	—	20	8.0	—	7,500	1,100	8.3	20,000	0.350	6V7-G
Class A Amplifier	250 100	—	3.0 1.0	1.0 0.8	—	58,000 Ω 54,000 Ω	1,200 1,300	70	—	—	6V8
TV Flyback Rectifier	Max d-c output current = 0.5 ma; max peak inverse voltage @ = 25,000 volts										6W2
TV Damp-er Service	Max d-c output current = 125 ma; max peak inverse voltage @ = 3850 volts; max peak current = 750 ma										6W4-GT
Full-Wave Rectifier	Max d-c output current = 90 ma; max peak inverse voltage = 1250 volts; max rms supply voltage per plate = 325 volts; max peak current per plate = 270 ma										6W5-G
Class A Amplifier	200 110	125 110	R _k = 180 7.5	46† 49†	2.2† 4.0†	28,000 Ω 13,000 Ω	8,000 8,000	—	4,000 2,000	3.8 2.1	6W6-GT
Vertical Deflection Amplifier	225	30	22	—	—	1,000 Ω	3,800	6.2	—	—	
Max positive pulse plate voltage @ = 1200 volts; max plate dissipation = 7.5 watts; max d-c cathode current = 40 ma	250	—	—	—	—	—	—	—	—	—	6W7-G
Class A Amplifier	250	100	3.9	2.9	0.5	1,500,000 Ω	1,225	—	—	—	
TV Flyback Rectifier	Max d-c output current = 0.2 ma; max peak inverse voltage = 17,000 volts; max peak current = 80 ma										6X2
Full-Wave Rectifier	Max d-c output current = 70 ma; max peak inverse voltage = 1250 volts; rms supply voltage per plate = 325 volts; max peak current per plate = 210 ma										6X4
Full-Wave Rectifier	Max d-c output current = 70 ma; max peak inverse voltage = 1250 volts; rms supply voltage per plate = 325 volts; max peak current per plate = 210 ma										6X5 6X5-GT

3. Approximate

▲ Without external shield.

‡ Zero signal.

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

Conversion transconductance.

♥ Grids 2 and 4 are screen. Grid 3 is signal input grid.

†Screen supply voltage.
‡Absolute maximum rating.

* Plate-to-plate.

† Plate-to-plate.
▲ Per section.

♠ Per section.

⊕For both sections.

* Minimum.

9 Heater warm-up time controlled for series-string service.

⊗ Plate supply voltage.

Input plate.

1—The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.

1--Section 1.

1—Section 1.
2—Section 2.

4—A resistor of 3 ohms must be put in series with heater.