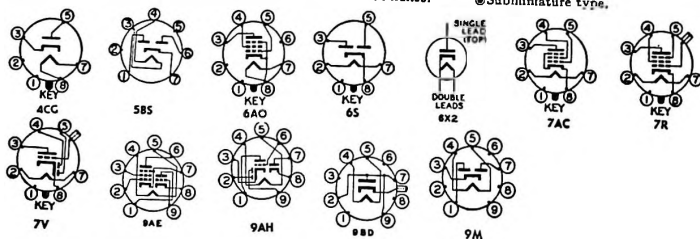


Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
6U8	Triode-Pentode	9AE	6-2	Htr	6.3	0.45	300	150	Pentode Section		
							300	—	Triode Section		
6V5 6V5-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 , μmhos	μ- factor	Load for Rated Out- put, Ohms	Power Out- put, Watts	Tube Type
Class A Amplifier	250	110	R _k = 68	10	3.5	400,000	5,200	—	—	—	6U8
Class A Amplifier	150	—	R _k = 56	18	—	5,000	8,500	40	—	—	
TV Damp- er Service	Max d-c output current = 135 ma; max peak inverse voltage = -6000 volts; max peak current = 800 ma										6V3 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	225 120	13 12.5	34† 45†	2.2† 4.5†	77,000 52,000	3,750 4,100	—	8,500 5,000	5.5 4.5	6V5-GT
Class A Amplifier	315 250	225 120	13 12.5	34† 45†	2.2† 4.5†	80,000 50,000	3,750 4,100	—	8,500 5,000	5.5 4.5	6V6
Class AB; Amplifier	180 285	180 285	8.5 19	29† 70†	3† 4.0†	50,000 70,000	3,700 3,600	—	5,500 800	5.5 2.0	
Class A Amplifier	315 250	225 120	13 12.5	34† 45†	2.2† 4.5†	80,000 50,000	3,750 4,100	—	8,500 5,000	5.5 4.5	6V6-GT
Class AB; Amplifier	180 285	180 285	8.5 19	29† 70†	3† 4.0†	50,000 70,000	3,700 3,600	—	5,500 800	5.5 2.0	
Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	6V6-GT
Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	6V6-GT
Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	6V6-GT
Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
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Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	6V6-GT
Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
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Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
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Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
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Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
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Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
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Class AB; Amplifier	250 250	250 250	15 15	70† 70†	5.0† 5.0†	1,960 —	5,000 —	9.8	—	10	
Class AB; Amplifier	250 250	250 250	15 15								

3. 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.

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

cycle.

1--Section 1

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