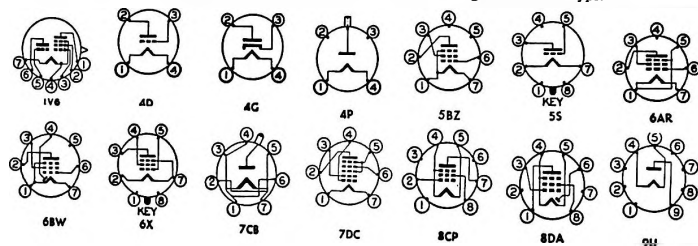


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
1T4	Remote-Cutoff RF Pentode	6AR	5-2	Fil	1.4 DC	0.05	90	90	3.6	7.5	0.01 $\clubsuit$
1T5-GT	Beam Power Amplifier	6X	9-11	Fil	1.4 DC	0.05	110	110	4.8	8.0	0.5
1T6 $\odot$	Diode-Pentode	8DA	3-5	Fil	1.25 DC	0.04	67.5	67.5	—	—	—
1U4	Sharp-Cutoff RF Pentode	6AR	5-2	Fil	1.4 DC	0.05	110	110	3.6	7.5	0.01 $\clubsuit$
1U5	Diode Sharp-Cutoff Pentode	6BW	5-2	Fil	1.4 DC	0.05	90	90	—	—	—
1U6	Pentagrid Converter	7DC4	5-2	Fil	1.4 DC	0.025	110	65	Osc $I_{g1} = 0.028$ ma $R_{g1} = 200,000$ ohms		
1-V	Half-Wave High-Vacuum Rectifier	4G	12-5	Htr	6.3	0.3	Tube Voltage Drop: 20 v at 90 ma d-c				
1V2	Half-Wave High-Voltage Rectifier	9U	6-2	Fil	0.625	0.3	Tube Voltage Drop: 135 v at 7 ma d-c				
1V5 $\odot$	Power Amplifier Pentode	8CP	3-2	Fil	1.25 DC	0.04	100	100	—	—	—
1V6 $\odot$	Triode Pentode Converter	1V6	2-3	Fil	1.25 DC	0.04	90	90	Osc $I_{g1} = 12 \mu$ a $R_{g1} = 1$ meg		
1W4	Power Amplifier Pentode	5BZ	5-2	Fil	1.4 DC	0.05	110	110	3.6	7.0	0.1
1W5 $\odot$	Sharp Cutoff RF Pentode	8CP	3-2	Fil	1.25 DC	0.04	100	100	2.3	3.0	0.009 $\clubsuit$
1X2	Half-Wave, High-Voltage Rectifier	9Y	6-7	Fil	1.25	0.2	Tube Voltage Drop: 100 v at 7 ma d-c				
1X2-A	Half-Wave High-Voltage Rectifier	9Y	6-7	Fil	1.25	0.2	Tube Voltage Drop: 100 v at 7 ma d-c				
1X2-B	Half-Wave High-Voltage Rectifier	9Y	6-7	Fil	1.25	0.2	Tube Voltage Drop: 100 v at 7 ma d-c				
1Y2	Half-Wave High-Voltage Rectifier	4P	T-X	Fil	1.5	0.29	Tube Voltage Drop: 100 v at 8 ma d-c				
1Z2	Half-Wave High-Voltage Rectifier	7CB	T-X	Fil	1.5	0.3	Tube Voltage Drop: 50 v at 5.0 ma d-c				
2A3	Power-Amplifier Triode	4D	16-1	Fil	2.5	2.5	300	—	7.5 Δ	5.5 Δ	16.5 Δ
									2 tubes, push-pull		
2A4-G	Gas Triode	5S	12-7	Fil	2.5	2.5	Anode Voltage Drop = 15 volts				

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	μ Factor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type	
Class A Amplifier	80	67.5	0	3.5	1.4	500,000§	900	—	—	—	1T4	
	90	45	0	1.8	0.67	800,000§	750	—	—	—		
	67.5	67.5	0	3.4	1.5	250,000§	875	—	—	—		
	45	45	0	1.7	0.7	350,000§	700	—	—	—		
Class A Amplifier	90	90	6.0	6.5†	0.85†	250,000§	1,150	—	14,000	0.170	1T5-GT	
Class A Amplifier	67.5	67.5	0	1.6	0.4	400,000§	600	—	—	—	1T6 ●	
Class A Amplifier	90	30	0	0.33	0.10	500,000§	330	—	—	—	1U4	
Class A Amplifier	90	90	0	1.6	0.5	1,000,000§	900	—	—	—	1U4	
Class A Amplifier	67.5	67.5	0	1.6	0.4	600,000§	625	—	—	—	1U6	
Converter	90	45	0	0.6	0.6	500,000§	300 #	E _{c1} (Osc Plate) = 90 I _{c1} = 1.1 ma			1U6	
Half-Wave Rectifier	Max d-c output current = 45 ma; max peak inverse voltage = 1000 volts; max rms supply voltage = 325 v; max peak current = 270 ma										1-V	
TV Flyback Rectifier	Max d-c output current = 0.5 ma; max inverse voltage (d-c component) = 6,600 volts; max peak current = 10 ma										1V2	
Class A Amplifier	67.5 45 30	67.5 45 30	4.5 3.0 2.0	2.0 1.0 0.5	0.2 0.2 0.1	150,000 175,000 200,000	750 600 450	— — —	25,000 40,000 50,000	0.050 0.015 0.005	1V5 ●	
Converter	45	45	R _g = 5 meg		0.4	0.15	1,000,000§	200 #	E _b (Triode Osc) = 45 I _b (Triode)§ = 0.4 ma			1V6 ●
Class A Amplifier	90 67.5 45	90 67.5 45	9.0 6.0 4.5	5.0† 3.8† 1.6†	1.0† 0.8† 0.3†	250,000 300,000 400,000	925 875 650	— — —	12,000 15,000 20,000	0.20 0.10 0.035	1W4	
Class A Amplifier	67.5 30.0	67.5 30.0	0 0	1.85 0.45	0.75 0.16	700,000§ 700,000§	735 430	— —	— —	— —	1W5 ●	
TV Flyback Rectifier	Max d-c output current = 1.0 ma; max peak inverse voltage = 15,000 volts; max peak current = 10 ma										1X2	
TV Flyback Rectifier	Max d-c output current = 0.5 ma; max inverse voltage (d-c component) = 16,000 volts; max peak current = 45 ma										1X2-A	
TV Flyback Rectifier	Max d-c output current = 0.5 ma; max inverse voltage (d-c component) = 18,000 volts; max peak current = 45 ma										1X2-B	
Half-Wave Rectifier	Max d-c output current = 2 ma; max peak inverse voltage = 50,000 volts; max peak current = 10 ma										1Y2	
Half-Wave Rectifier	Max d-c output current = 2.0 ma; max peak inverse voltage = 20,000 volts; max peak current = 10 ma										1Z2	
Class A Amplifier	250	—	45	60†	—	800	5,250	4.2	2,500	3.5	2A3	
Class A Amplifier	300	—	62	80†	—	—	—	—	3,000†	15		
Relay Control	Max d-c anode current = 100 ma; max peak inverse voltage = 200 volts; max peak anode current = 1.25 amperes										2A4-G	



- § Approximate.
 Δ 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.