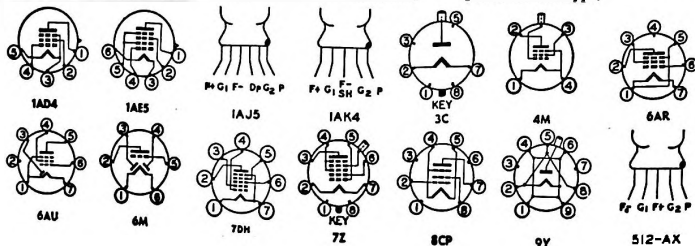


Tube Type	Classification by Construction	Base Connections	Outline DWG	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
1AC5 ●	Power Amplifier Pentode	8CP	3-5	Fil	1.25 DC	0.04	67.5	67.5	—	—	—
1AC8	Pentagrid Converter	7DH	5-2	Fil	1.4 DC	0.05	90	90	Osc $I_{g1} = 0.13$ ma $R_{g1} = 27,000$ ohms		
1AD4 ●	Sharp-Cutoff RF/AF Pentode	1AD4	2-1	Fil	1.25 DC	0.1	45	45	4.5	4.5	0.01 ♣
1AD5 ●	Sharp-Cutoff RF Pentode	8CP	3-5	Fil	1.25 DC	0.04	67.5	67.5	1.9	3.0	0.009 ♣
1AE4	Sharp-Cutoff RF Pentode	6AR	5-2	Fil	1.25 DC	0.1	90	90	3.6	4.4	0.008 ♣
1AE5 ●	Heptode Mixer	1AE5	T-X	Fil	1.25 DC	0.06	45	45	I_{g1} (Injection) = 15 μ a $R_{g1} = 200,000$ ohms		
1AF4	Sharp-Cutoff Pentode	6AR	5-2	Fil	1.4 DC	0.025	110	90	3.8	7.6	0.009 ♣
1AF6	Diode, Sharp-Cutoff Pentode	6AU	5-2	Fil	1.4 DC	0.025	110	110	2.5	4.8	0.17
1AG4 ●	Power Amplifier Pentode	512AX	2-1	Fil	1.25 DC	0.4	90	90	—	—	—
1AH4 ●	RF Pentode	1AD4	2-1	Fil	1.25 DC	0.04	90	90	3.5 ▲	4.5 ▲	0.01 ♣ ▲
1AH6	Diode Sharp-Cutoff AF Pentode	6AU	T-X	Fil	1.4 DC	0.025	90	90	—	—	—
1AJ4	Remote-Cutoff RF Pentode	6AR	T-X	Fil	1.4 DC	0.025	90	90	3.3	7.8	0.01 ♣
1AJ5 ●	Diode Sharp-Cutoff Pentode	1AJ5	2-1	Fil	1.25 DC	0.4	90	90	1.7	2.4	0.10
1AK4 ●	Sharp-Cutoff RF Pentode	1AK4	2-1	Fil	1.25 DC	0.2	90	90	3.5 ▲	4.5 ▲	0.01 ♣ ▲
1AK5 ●	Diode Sharp-Cutoff Pentode	1AJ5	2-1	Fil	1.25 DC	0.2	90	90	2.0	2.7	0.10 ♣
1AX#	Half-Wave High-Voltage Rectifier	9Y	6-7	Fil	1.4	0.65	Tube Voltage Drop: $\frac{1}{2}$ 200 v at 7 ma d-c				
1B3-GT	Half-Wave High-Voltage Rectifier	3C	T-X	Fil	1.25	0.2	Tube Voltage Drop: $\frac{1}{2}$ 100 v at 7 ma d-c				
1B4-p	Sharp-Cutoff RF Pentode	4M	12-6	Fil	2.0 DC	0.06	180	67.5	5.0 ▲	11 ▲	0.007 ♣
1B5/25-S	Duplex-Diode Medium-Mu Triode	6M	12-5 or 9-26	Fil	2.0 DC	0.06	135	—	1.6 ▲	1.9 ▲	3.6 ▲
1B7-G 1B7-GT	Pentagrid Converter	7Z†	9-28 9-18	Fil	1.4 DC	0.1	110	65	Osc $I_{g1} = 0.035$ ma $R_{g1} = 200,000$ ohms		

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 Output, Ohms	Power Output, Watts	Tube Type
Class A Amplifier	67.5 45 30	67.5 45 30	4.5 3.0 2.0	2.0 1.0 0.5	0.4 0.2 0.1	150,000 170,000 200,000	750 600 450	—	25,000 40,000 50,000	0.050 0.015 0.005	1AC5 ●
Converter	63.5	63.5	0	0.7	0.15	900,000	300 #	—	E_{c1} (Osc Plate) = 30 thru 22,000 ohms $I_{c1} = 1.55$ ma		1AC8
Class A Amplifier	45	45	$R_{g1} = 2$ meg	3.0	0.8	500,000	2000	—	—	—	1AD4 ●
Class A Amplifier	67.5 30	67.5 30	0	1.85 0.45	0.75 0.16	700,000 700,000	735 430	—	—	—	1AD5 ●
Class A Amplifier	90	90	0	3.5	1.2	500,000	1550	—	—	—	1AE4
Mixer	45	45	0	0.9	2.0	200,000	200 #	—	—	—	1AE5 ●
Class A Amplifier	90 67.5	90 67.5	0	1.8 1.2	0.55 0.32	1,800,000 2,200,000	1050 925	—	—	—	1AF4
Class A Amplifier	90 67.5	90 67.5	0	1.1 0.7	0.25 0.2	2,000,000 2,300,000	600 550	—	—	—	1AF6
Class A Amplifier	41.4	41.4	3.6	2.4†	0.6†	180,000	1,000	—	12,000	0.035	1AG4 ●
Class A Amplifier	45	45	$R_{g1} = 5$ meg	0.75	0.2	1,500,000	750	—	—	—	1AH4 ●
Class A Amplifier	85	35‡	$R_{g1} = 10$ meg	0.05	0.015	Amplification = 62		1 meg	—	—	1AH6
Class A Amplifier	64	64	0	1.65	0.55	1,000,000	750	—	—	—	1AJ4
Class A Amplifier	45	45	$R_{g1} = 5$ meg	1.0	0.3	300,000	425	—	—	—	1AJ5 ●
Class A Amplifier	45	45	$R_{g1} = 5$ meg	0.75	0.2	1,500,000	750	—	—	—	1AK4 ●
Class A Amplifier	45	45	$R_{g1} = 5$ meg	0.5	0.2	400,000	280	—	—	—	1AK5 ●
TV Flyback Rectifiers	Max d-c output current = 0.5 ma; max inverse voltage (d-c component) = 20,000 volts; max peak current = 45 ma										1AX2
TV Flyback Rectifiers	Max d-c output current = 0.5 ma; max inverse voltage (d-c component) = 21,000 volts; max peak current = 50 ma Socket terminals 1, 3, 4, 5, 6, and 8 should not be used as tie points.										1B3-GT
Class A Amplifier	180 80	67.5 67.5	3.0 3.0	1.7 0.6	0.6 0.7	1,500,000 1,000,000	650 600	—	—	—	1B4-p
Class A Amplifier	135	—	3.0	0.8	—	35,000	575	20	—	—	1B5/25-S
Converter	90	45	0	1.5	1.3	350,000	350 #	—	E_{c1} (Osc Plate) = 90 $I_{c1} = 1.6$ ma		1B7-G 1B7-GT

‡ 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.

⑤ Absolute maximum rating.

† Plate-to-plate.

♣ Per section.

⑥ 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.