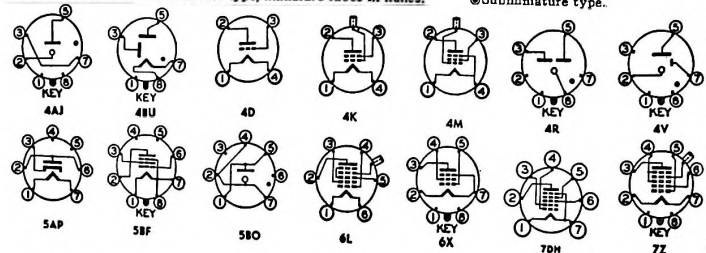


Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
00A	Triode Detector	4D	14-1	Fil	5.0 DC	0.25	45	—	3.2	2.0	8.5
01-A	Low-Mu Triode	4D	14-1	Fil	5.0 DC	0.25	135	—	3.1	2.2	8.1
0A8	Glow-Discharge Diode Voltage Regulator	5B0	5-3	Cold	—	—	Anode supply = 185 volts d-c min				
0A3/VR-75	Glow-Discharge Diode Voltage Regulator	4AJ	12-7	Cold	—	—	Anode supply = 105 volts d-c min				
0A4-G	Gas Triode	4V	12-7	Cold	—	—	—	—	—	—	—
0B8	Glow-Discharge Diode Voltage Regulator	5B0	5-3	Cold	—	—	Anode supply = 133 volts d-c min				
0B3/VR-90	Glow-Discharge Diode Voltage Regulator	4AJ	12-7	Cold	—	—	Anode supply = 125 volts d-c min				
0C3/VR-105 0C3-W	Glow-Discharge Diode Voltage Regulator	4AJ	12-7	Cold	—	—	Anode supply = 133 volts d-c min				
0D3/VR-150 0D3-W	Glow-Discharge Diode Voltage Regulator	4AJ	12-7	Cold	—	—	Anode supply = 185 volts d-c min				
0Y4 0Y4-G	Half-Wave Gas Rectifier	4BU	8-1 T-X	Cold	—	—	Pins 7 and 8 must be connected;				
0Z4 0Z4-G	Full-Wave Gas Rectifier	4R	8-3 T-X	Cold	—	—	—	—	—	—	—
1A3	High-Frequency Diode	5AP	5-2	Htr	1.4	0.15	—	—	—	—	—
1A4-p 1A4-t	Remote-Cutoff RF Pentode	4M 4K	12-6	Fil	2.0 DC	0.08	180	67.5	5.0 ▲	11.0 ▲	0.007
1A5-GT	Power Amplifier Pentode	6X	9-11	Fil	1.4 DC	0.05	110	110	—	—	—
1A6	Pentagrid Converter	6L	12-6	Fil	2.0 DC	0.06	180	67.5	Osc $I_{g1} = 0.2$ ma $R_{g1} = 50,000$ ohms		
1A7-G 1A7-GT	Pentagrid Converter	7Z	9-28 9-18	Fil	1.4 DC	0.05	110	60	Osc $I_{g1} = 0.035$ ma $R_{g1} = 200,000$ ohms		
1AB5	Remote-Cutoff RF Pentode	5BF	9-32	Fil	1.2 DC	0.130	150	150	2.8	4.2	0.25
1AB6	Pentagrid Converter	7DH	T-X	Fil	1.4 DC	0.025	90	90	Osc $I_{g1} = 85 \mu$ a $R_{g1} = 27,000$ ohm		

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 μmhos	# Factor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Detector	45	—	0	1.5	—	30,000	666	20	—	—	00A
Class A Amplifier	135	—	9.0	3.0	—	10,000	800	8	—	—	01-A
{ d-c operating current = 5 ma min } Ionization voltage = 155 volts d-c { d-c operating current = 30 ma max } Operating voltage = 150 volts d-c Regulation (5 to 30 milliamperes) = 2.0 volts											
{ d-c operating current = 5 ma min } Ionization voltage = 100 volts d-c { d-c operating current = 40 ma max } Operating voltage = 75 volts d-c Regulation (5 to 40 milliamperes) = 5.0 volts											
Peak cathode current = 100 ma max; d-c cathode current = 25 ma max; Starter anode drop = 55 volts §; anode drop = 70 volts §											
{ d-c operating current = 5 ma min } Ionization voltage = 115 volts d-c { d-c operating current = 30 ma max } Operating voltage = 105 volts d-c Regulation (5 to 30 milliamperes) = 1.0 volts											
{ d-c operating current = 5 ma min } Ionization voltage = 110 volts d-c { d-c operating current = 40 ma max } Operating voltage = 90 volts d-c Regulation (5 to 40 milliamperes) = 8.0 volts											
{ d-c operating current = 5 ma min } Ionization voltage = 115 volts d-c { d-c operating current = 40 ma max } Operating voltage = 105 volts d-c Regulation (5 to 40 milliamperes) = 2.0 volts											
{ d-c operating current = 5 ma min } Ionization voltage = 160 volts d-c { d-c operating current = 40 ma max } Operating voltage = 150 volts d-c Regulation (5 to 40 milliamperes) = 4.0 volts											
peak current = 500 ma max; d-c output current = 75 ma max, 40 ma min; max starting voltage = 95 volts d-c; peak inverse voltage = 300 volts max											
Starter supply voltage per plate = 300 peak volts min; max d-c output = 75 milliamperes; peak current per plate = 200 milliamperes											
Half-Wave Rectifier	Max d-c output current = 0.5 ma; max peak inverse voltage = 330 volts; rms supply voltage = 117 volts; max peak current = 5.0 ma										
Class A Amplifier	180	67.5	3	2.3	0.8	1,000,000	750	—	—	—	1A4-p 1A4-t
Class A Amplifier	90 85	90 85	4.5 4.5	4.0† 3.5†	0.8† 0.7†	300,000 300,000	850 800	—	25,000 25,000	0.115 0.100	1A5-GT
Converter	180	67.5	3.0	1.3	2.4	500,000§	300 #	E _{c1} (Osc Plate) = 180 thru 20,000 ohms I _{a2} = 2.3 ma			1A6
Converter	90	45	0	0.6	0.7	600,000§	250 #	E _{c1} (Osc Plate) = 90 I _{a2} = 1.2 ma			1A7-G 1A7-GT
Class A Amplifier	150 90	150 90	1.5 R _g = 1.0 Meg	6.8 3.5	2.0 0.8	125,000§ 275,000§	1350 1100	—	—	—	1AB5
Converter	64	64	0	0.6	0.16	900,000§	275 #	E _{c1} (Osc Plate) = 35 thru 18,000 ohms I _{a2} = 1.6 ma			1AB6

§ 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.