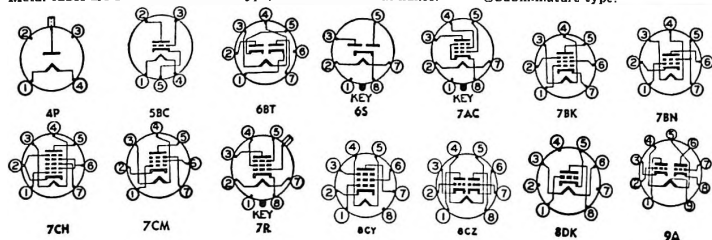


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
5718	Medium-Mu Triode	8DK	3-1	Htr	6.3	0.15	165	—	2.4	2.4	1.3
5719	High-Mu Triode	8DK	3-1	Htr	6.3	0.15	165	—	1.9	2.2	0.8
6725	Dual-Control RF Pentode (Special 6AS6)	7CM	5-1	Htr	6.3	0.175	180	140	4.0	3.0	0.01
6726	Twin Diode (Special 6AL5)	6BT	5-1	Htr	6.3	0.30	Tube Voltage Drop: ∇ 10 v at 60 ma d-c				
6727	Thyratron (Special 2D21)	7BN	5-2	Htr	6.3	0.6	Anode voltage drop = 8 volts				
5731	Power Amplifier Triode (Acorn)	5BC	4-1	Htr	6.3	0.15	250	—	1.0	0.4	1.3
5732	Remote Cutoff RF Pentode (Special 6K7)	7R	8-4	Htr	6.3	0.3	300	125	7.0	12	0.005 ∇
5744	High-Mu Triode	5744	3-6	Htr	6.3	0.2	250	—	—	—	—
6749	Remote Cutoff RF Pentode (Special 6BA6)	7BK	5-2	Htr	6.3	0.3	300	150	5.5	5.5	0.0035 ∇
6760	Pentagrid Converter (Special 6BE6)	7CH ∇	5-2	Htr	6.3	0.3	300	100	Osc $I_{g1} = 0.5$ ma $R_{g1} = 20,000$ ohms		
6761	High-Mu Twin Triode (Special 12AX7)	9A	6-2	Htr	6.3 (12.6)	0.35 (0.175)	300	—	1.4 $\blacktriangle$ 0.46 $\blacktriangle$ 0.36 $\blacktriangle$	1.4 $\blacktriangle$	1.4 $\blacktriangle$
5784	Dual-Control RF Pentode	5702	3-7	Htr	6.3	0.2	180	140	3.9	3.0	0.03 ∇
5785	Half-Wave High-Voltage Rectifier	5785	T-X	Fil	1.25 DC	0.015	Tube Voltage Drop: ∇ 17 v at 0.1 ma d-c				
5797	Semi-Remote-Cutoff RF Pentode	8CY	3-2	Htr	26.5	0.045	50	50	4.2	3.2	0.024 ∇
5798	Medium-Mu Twin Triode	8CZ	3-2	Htr	26.5	0.09	50	—	1.9	1.7	1.7
6814 6814-A	Medium-Mu Twin Triode (Special 12AU7)	9A	6-2	Htr	6.3 (12.6)	0.35 (0.175)	300	—	1.6 $\blacktriangle$	0.5 $\blacktriangle$ 0.4 $\blacktriangle$	1.5 $\blacktriangle$
5824	Beam Power Amplifier (Special 25B6-G)	7AC	14-3	Htr	25.0	0.3	200	135	—	—	—
5825	Half-Wave High-Voltage Rectifier	4P	T-X	Fil	1.6	1.25	Tube Voltage Drop: ∇ 1,750 v at 40 ma d-c				
5829	Twin Diode	5829	2-3	Htr	6.3	0.15	Tube Voltage Drop: ∇ 5 v at 15 ma d-c				
5838	Full-Wave High-Vacuum Rectifier	6S	T-X	Htr	12.0	0.6	—	—	—	—	—

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 mbos	# Factor	Load for Rated Output, Ohms	Power Output, Watts	Tube Type
Class A Amplifier	100	—	$R_g = 150$	8.5	—	4,650 Ω	5,800	27	—	—	5718 $\oplus$
Class A Amplifier	100	—	$R_g = 1,500$	0.73	—	41,000 Ω	1,700	70	—	—	5719 $\oplus$
Class A Amplifier	120	120	2.0	5.2	3.5	—	3,200	$E_{c3} = 0$ volts			6726
Half-Wave Rectifier	Max d-c output current per plate = 9 ma; max peak inverse voltage = 330 volts; rms supply voltage per plate = 117 volts; max peak current per plate = 54 ma										6728
Controlled Rectifier	Max d-c cathode current $\nabla = 100$ ma; max peak inverse voltage $\nabla = 1,300$ volts; max peak cathode current $\nabla = 500$ ma										6727
Class A Amplifier	250	—	7.0	6.3	—	11,400	2,200	25	—	—	5731
Class A Amplifier	250	100	3	7.0	1.7	800,000 Ω	1,450	—	—	—	5732
Class A Amplifier	250	—	$R_g = 500$	4.0	—	—	4,000	70	—	—	5744 $\oplus$
Class A Amplifier	250	100	$R_g = 68$	11	4.2	1,000,000 Ω	4,400	—	—	—	6749
Class A Amplifier	100	100	$R_g = 68$	10.8	4.4	250,000 Ω	4,300	—	—	—	
Converter	250	100	1.5	2.6	7.5	1,000,000 Ω	475 Ω	—	—	—	6760
Class A Amplifier $\blacklozenge$	250	—	3.0	1.0	—	58,000	1,200	70	—	—	6761
Class A Amplifier	120	120	2.0	5.2	3.5	—	$3,200 E_{c3} = 0$ volts $1,850 E_{c2} = -3.0$ volts			—	5784 $\oplus$
Half-Wave Rectifier	Max d-c output current = 0.1 ma; max peak current = 0.45 ma; max peak inverse voltage = 3,500 volts with supply impedance = 1 meg min.										5785 $\oplus$
Class A Amplifier	26.5	26.5	0	2.8	0.9	70,000 Ω	3,450	—	—	—	5797 $\oplus$
Class A Amplifier $\blacklozenge$	26.5	—	0	2.0	—	7,100 Ω	3,400	24	—	—	5798 $\oplus$
Class A Amplifier $\blacklozenge$	250	—	8.5	10.5	—	7,700 Ω	2,200	17	—	—	6814 6814-A
Class A Amplifier $\blacklozenge$	100	—	0	11.8	—	6,250 Ω	3,100	19.5	—	—	
Class A Amplifier	135	135	22	61 μ	2.5 μ	15,000 Ω	5,000	—	1,700	4.3	5824
Half-Wave Rectifier	Max d-c output current $\nabla = 2$ ma; max peak inverse voltage $\nabla = 60,000$ volts; rms supply voltage = 21,200 volts; max peak current $\nabla = 40$ ma										5825
Half-Wave Rectifier	Max d-c output current per plate = 5 ma; max peak inverse voltage = 330 volts; rms supply voltage per plate = 117 volts; max peak current per plate = 30 ma										5829 $\oplus$
Full-Wave Rectifier	Max d-c output current = 65 ma; max peak inverse voltage = 1,375 volts; rms supply voltage per plate = 300 volts; max peak current per plate = 270 ma										5838

③ Absolute maximum rating.

5 Approximate.

 ∇ Per section. $\blacktriangle$ Maximum. $\blacktriangledown$ Grids 2 and 4 are screen. Grid 3 is signal input grid.

Conversion transconductance.

 ∇ Without external shield.

1- Section 1.

2- Section 2.

 ∇ Zero signal.

5702



5744



5785



5629