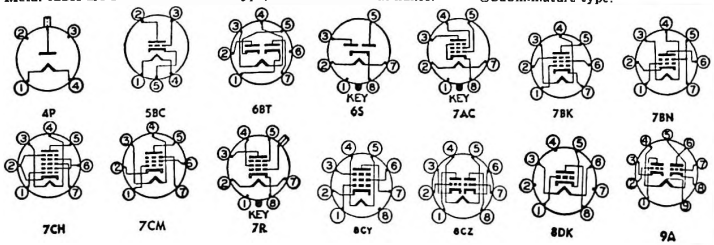
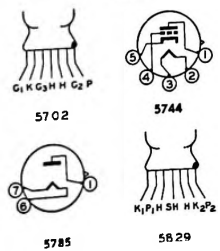
Tube Type	Classification by Construction	Base Connections	Outline Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads: Input	Output	Grid-plate
5718 ◉	Medium-Mu Triode	8DK	3-1	Htr	6.3	0.15	165 ▣	—	2.4	2.4	1.3
5719 ◉	High-Mu Triode	8DK	3-1	Htr	6.3	0.15	165 ▣	—	1.9	2.2	0.8
5725	Dual-Control RF Pentode (Special 6AS6)	7CM	5-1	Htr	6.3	0.175	180	140	4.0	3.0	0.01
5726	Twin Diode (Special 6AL5)	6BT	5-1	Htr	6.3	0.30	Tube Voltage Drop: ♠ 10 v at 60 ma d-c				
5727	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	—	—	—	—
5749	Remote-Cutoff RF Pentode (Special 6BA6)	7BK	5-2	Htr	6.3	0.3	300	150	5.5	5.5	0.0035 ♣
5750	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		
5751	High-Mu Twin Triode (Special 12AX7)	9A	6-2	Htr	6.3 / 12.6	0.35 / 0.175	300	—	1.4 ▲	0.46₁ 0.36₂ ▲	1.4 ▲
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
5814 *5814-A*	Medium-Mu Twin Triode (Special 12AU7)	9A	6-2	Htr	6.3 / 12.6	0.35 / 0.175	300	—	1.6 ▲	0.5₁ ▲ 0.4₂ ▲	1.5 ▲
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*. ◉Subminiature type.



Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Milliamperes	Screen Milliamperes	R_p, Ohms	G_m, μmhos	μ Factor	Load for Rated Output, Ohms	Power Output, Watts	Tube Type
Class A Amplifier	100	—	R_k = 150	8.5	—	4,650§	5,800	27	—	—	5718 ◉
Class A Amplifier	100	—	R_k = 1,500	0.73	—	41,000§	1,700	70	—	—	5719 ◉
Class A Amplifier	120	120	2.0	5.2	3.5	—	3,200	E_{c3} = 0 volts			*5725*
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										*5726*
Controlled Rectifier	Max d-c cathode current ▣ = 100 ma; max peak inverse voltage ▣ = 1,300 volts; max peak cathode current ▣ = 500 ma										*5727*
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§	1,450	—	—	—	5732
Class A Amplifier	250	—	R_k = 500	4.0	—	—	4,000	70	—	—	5744 ◉
Class A Amplifier	250 100	100 100	R_k = 68 R_k = 68	11 10.8	4.2 4.4	1,000,000§ 250,000§	4,400 4,300	— —	— —	— —	*5749*
Converter	250	100	1.5	2.6	7.5	1,000,000§	475#	—	—	—	*5750*
Class A Amplifier ♠	250 100	— —	3.0 1.0	1.0 0.8	— —	58,000 58,000	1,200 1,200	70 70	— —	— —	*5751*
Class A Amplifier	120 120	120 120	2.0 2.0	5.2 3.6	3.5 4.8	— —	3,200 E_{c3} = 0 volts 1,850 E_{c3} = −3.0 volts				5784 ◉
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 ◉
Class A Amplifier	26.5	26.5	0	2.8	0.9	70,000§	3,450	—	—	—	5797 ◉
Class A Amplifier ♠	26.5	—	0	2.0	—	7,100§	3,400	24	—	—	5798 ◉
Class A Amplifier ♠	250 100	— —	8.5 0	10.5 11.8	— —	7,700§ 6,250§	2,200 3,100	17 19.5	— —	— —	*5814* *5814-A*
Class A Amplifier	135	135	22	61†	2.5†	15,000§	5,000	—	1,700	4.3	5824
Half-Wave Rectifier	Max d-c output current ▣ = 2 ma; max peak inverse voltage ▣ = 60,000 volts; rms supply voltage = 21,200 volts; max peak current ▣ = 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 ◉
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



▣ Absolute maximum rating.
§ Approximate.
♠ Per section.
♣ Maximum.
♥ 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.