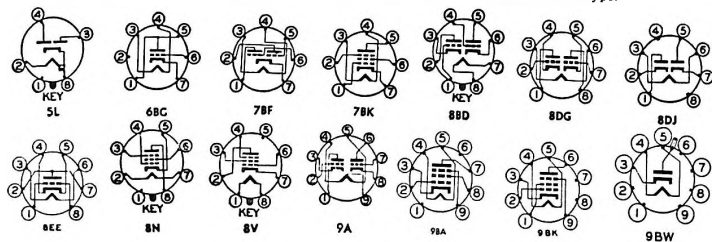


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cath-ode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
6086	Pentode	9BK	6-3	Htr	18.0	0.1	210	210	8.8	3.6	0.015
6087	Full-Wave High-Vacuum Rectifier	5L	9-41	Htr	5.0	2.0	Tube Voltage Drop: $\blacklozenge$ 50 v at 125 ma d-c				
6088 $\oplus$	Power Amplifier Pentode	512-AX	2-1	Fil	1.25 DC	0.02	67.5 $\boxplus$	67.5 $\boxplus$	—	—	—
6101	Medium-Mu Twin Triode (Special 6J6)	7BF	5-2	Htr	6.3	0.45	330 $\boxplus$	—	2.0 $\blacktriangle$	0.4 $\blacktriangle$	1.5 $\blacktriangle$
6110 $\oplus$	Twin Diode	8DJ	3-1	Htr	6.3	0.15	Tube Voltage Drop: $\blacklozenge$ 10 v at 15 ma d-c				
6111 $\oplus$	Medium-Mu Twin Triode	8DG	3-1	Htr	6.3	0.3	165 $\boxplus$	—	2.1	1.3 $\boxplus$ 1.4 $\boxplus$	1.4
6112 $\oplus$	High-Mu Twin Triode	8DG	3-1	Htr	6.3	0.3	165 $\boxplus$	—	1.9	1.5	1.0
6113	High-Mu Twin Triode (Special 6SL7-GT)	8BD	9-11	Htr	6.3	0.3	250	—	3.0	3.8	2.8
6132	RF Pentode (Special 6CH6)	9BA	6-3	Htr	6.3	0.75	275	275	14 $\blacktriangle$	5.0 $\blacktriangle$	0.25 $\blacklozenge$
6134	Sharp-Cutoff RF Pentode (Special 6AC7)	8N	8-1	Htr	6.3	0.45	300	150	11	5.0	0.015 $\blacklozenge$
6135	Medium-Mu Triode (Special 6C4)	6BG	5-2	Htr	6.3	0.175	300	—	1.5 $\blacktriangle$	0.7 $\blacktriangle$	1.4 $\blacktriangle$
6136	Sharp-Cutoff RF Pentode (Special 6AU6)	7BK	5-2	Htr	6.3	0.3	300	150	6.0 $\blacktriangle$	5.0 $\blacktriangle$	0.0075 $\blacklozenge$
6137	Remote-Cutoff RF Pentode (Special 6SK7)	8N	8-1	Htr	6.3	0.3	300	150	5.0	7.0	0.003 $\blacklozenge$
6145	Sharp-Cutoff Pentode	8V	9-31	Htr	6.3	0.6	300	150	14	7.5	0.06 $\blacklozenge$
6167	Half-Wave High-Vacuum Rectifier	9BW	6-7	Htr	6.3	0.8	—	—	—	—	—
6168	Medium-Mu Twin Triode	9A	6-2	Htr	12.6 (6.3)	0.31 (0.6)	300	—	2.3 $\blacktriangle$	0.95 $\blacktriangle$ 0.85 $\blacktriangle$	2.1 $\blacktriangle$
6169 $\oplus$	High-Frequency Triode	8EE	3-1	Htr	6.3	0.15	250	—	2.5	2.6	1.0
6173	UHF Diode (Pencil)	6173	T-X	Htr	6.3	0.135	—	—	—	—	—
6180	Medium-Mu Twin Triode (Special 6SN7-GT)	8BD	9-3	Htr	6.3	0.6	300	—	2.3 $\blacktriangle$ 2.0 $\blacktriangle$	2.5 $\blacktriangle$ 2.2 $\blacktriangle$	3.5 $\blacktriangle$ 3.2 $\blacktriangle$

Metal tubes are shown in bold-face type, miniature tubes in italics.

⊕ Subminiature type.



Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Milli-amperes	Screen Milli-amperes	R _p Ohms	G _m μ mhos	μ Fac-tor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Class A Amplifier	210	120	R _k = 165	10	2.1	500,000	9,000	—	—	—	6086
Full-Wave Rectifier	Max d-c output current = 125 ma; max peak inverse voltage = 1400 volts; rms supply voltage per plate = 350 volts; max peak current per plate = 375 ma										6087
Class A Amplifier	45	45	1.25	0.65 $\dagger$	0.15 $\dagger$	700,000 $\dagger$	625	—	80,000	0.0105	6088 $\oplus$
Class A Amplifier $\blacklozenge$	100	—	R _k = 30 $\boxplus$	8.5	—	6,300	6,000	38	—	—	6101
Full-Wave Rectifier	Max d-c output current per plate $\boxplus$ = 4.4 ma; max peak inverse voltage $\boxplus$ = 460 volts; max rms supply voltage per plate $\boxplus$ = 165 volts; max peak current per plate $\boxplus$ = 26.5 ma										6110 $\oplus$
Class A Amplifier $\blacklozenge$	100	—	R _k = 220	8.5	—	4,000 $\dagger$	5,000	20	—	—	6111 $\oplus$
Class A Amplifier $\blacklozenge$	150	—	R _k = 420	1.75	—	28,000 $\dagger$	2,500	70	—	—	6112 $\oplus$
	100	—	R _k = 1,500	0.8	—	39,000 $\dagger$	1,800	70	—	—	
Class A Amplifier $\blacklozenge$	250	—	2.0	2.3	—	44,000	1,600	70	—	—	6113
Class A Amplifier	250	250	4.5	40	6.0	50,000	11,000	—	—	—	6132
Class A Amplifier	300	150	R _k = 160	10	2.5	1,000,000 $\dagger$	9,000	—	—	—	6134
Class A Amplifier	250	100	8.5	10.5	—	7,700 $\dagger$ 6,250 $\dagger$	2,200 3,100	17 19.5	—	—	6135
Class A Amplifier	250	150	R _k = 68 R _k = 150	10.6 5.0	4.3 2.1	1,000,000 $\dagger$ 500,000 $\dagger$	5,200 3,900	—	—	—	6136
Class A Amplifier	250	100	3 1	9.2 13	2.6 4.0	800,000 $\dagger$ 120,000 $\dagger$	2,000 2,350	—	—	—	6137
Pulse Amplifier	150 150 60	100 100 100	0 5.3 0	34 2.0 $\blacklozenge$ —	8 — 12 $\blacklozenge$	100,000 — —	— — —	— — —	— — —	— — —	6145
Half-Wave Rectifier	Max d-c output current = 125 ma; max peak inverse voltage = 1000 volts; rms supply voltage = 350 volts; max peak current = 450 ma										6167
Class A Amplifier $\blacklozenge$	250	—	4.6	6.0	—	14,000	2,300	32	—	—	6168
Class A Amplifier	180	—	1.0	11.5	—	8,500	6,500	55	—	—	6169 $\oplus$
Half-Wave Rectifier	Max d-c output current $\boxplus$ = 5.5 ma; max peak inverse voltage $\boxplus$ = 375 volts; max peak current $\boxplus$ = 50 ma										6173
Class A Amplifier $\blacklozenge$	250	100	—	9.0 0	6.5 10.6	9,100 8,000	2,200 2,500	20 20	— —	— —	6180



512-AX



6173

- $\dagger$ Approximate.
 $\blacklozenge$ Without external shield.
 $\uparrow$ Zero signal.
 $\blacklozenge$ Grids 3 and 5 are screen. Grid 4 is signal-input grid.
 $\#$ Conversion transconductance.
 $\blacklozenge$ Maximum.
 $\blacklozenge$ Grids 2 and 4 are screen. Grid 3 is signal-input grid.
 $\blacklozenge$ Screen supply voltage.
 $\boxplus$ Absolute maximum rating.
 $\blacklozenge$ Plate-to-plate.
 $\blacklozenge$ Per section.

- $\oplus$ For both sections.
 $\ast$ Minimum.
 $\boxplus$ Heater warm-up time controlled for series-stringing service.
 $\boxplus$ Plate supply voltage.
 $\boxplus$ Input plate.
 $\boxplus$ The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.
 $\boxplus$ Section 1.
 $\boxplus$ Section 2.
 $\boxplus$ A resistor of 3 ohms must be put in series with heater.