

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	Out-put	Grid-plate
6965	Medium-Mu Twin Triode	9A	6-2	Htr	112.6 6.3	0.151 0.3	250	—	1.9▲	0.5▲ 0.35▲	1.5▲
6964	High-Mu Twin Triode	7BF	5-2	Htr	6.3	0.45	250	—	2.1▲	0.4▲	1.3▲
6966	Twin Triode	9A	6-2	Htr	112.6 6.3	0.225 0.45	300	—	3.8▲	0.5▲ 0.38▲	3.0▲
5971 ●	Medium-Mu Triode	5971	2-1	Fil	1.25 DC	0.08	135	—	1.6▲	1.7▲	2.3▲
5975 ●	Medium-Mu Triode	5975	3-6	Htr	6.3	0.175	250	—	—	—	—
5977 ●	Medium-Mu Triode	8DK	3-1	Htr	6.3	0.15	180	—	2.0	2.2	1.3
5987 ●	Low-Mu Triode	8DM	3-4	Htr	6.3	0.45	165	—	3.2	5.0	3.2
5992	Beam Power Amplifier (Special 6V6-GT)	7AC	9-9	Htr	6.3	0.6	300	275	—	—	—
6963	Full-Wave High-Vacuum Rectifier	5993	6-3	Htr	6.3	0.8	—	—	—	—	—
5995 ●	Half-Wave High-Vacuum Rectifier	5995	T-X	Htr	6.3	0.3	Tube Voltage Drop: 25 volts at 100 ma d-c				
5998	Low-Mu Twin Triode	8BD	16-3	Htr	6.3	2.4	250	—	—	—	—
6004	Full-Wave High-Vacuum Rectifier	6004	T-X	Fil	5.0	2.0	Tube Voltage Drop: 60 volts at 145 ma d-c				
6006	Beam Power Amplifier (Special 6AQ5-W)	7BZ	5-3	Htr	6.3	0.45	250	250	Single Tube 2 Tubes, Push-pull		
6006	Semi-Remote-Cutoff RF Pentode (Special 6SG7)	8BK	8-1	Htr	6.3	0.3	300	200	8.5	7.0	0.004▲
6007 ●	Power Amplifier Pentode	512-AX	T-X	Fil	1.25 DC	0.0133	45	45	2.5▲	2.2▲	0.2▲
6008 ●	Sharp-Cutoff Pentode	512-AX	T-X	Fil	0.025 DC	0.0133	45	45	1.5▲	1.5▲	0.2▲
6021 ●	Medium-Mu Twin Triode	8DG	3-1	Htr	6.3	0.3	165	—	2.4▲	0.24▲ 0.32▲	1.5▲
6028	Sharp-Cutoff RF Pentode	7BD	5-1	Htr	20.0	0.05	160	140	4.0	2.8	0.02▲
6029 ●	Medium-Mu Triode	5677	2-1	Fil	1.25 DC	0.2	135	—	1.3▲	1.4▲	1.6▲

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

● Subminiature type.



Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Milli-am-peres	Screen Milli-am-peres	R _p , Ohms	G _m , μmhos	# Factor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Class A Amplifier Frequency Haller ▲	67.5 150	— 15	0 5.1	7 —	— —	7,850 R _{st} = 47,000	2,800	22 —	— 20,000	— 20,000	5965
Class A Amplifier Frequency Haller ▲	100 150	— 50	R _k = 10	9.5 0	— 5.0	6,500 R _{st} = 47,000	6,000	39 —	— 20,000	— 20,000	5964
Class A Amplifier Frequency Haller ▲	150 150	— —	R _k = 220	8.2 —	— —	7,250	6,500	47 —	— —	— —	5966
Class A Amplifier Frequency Haller ▲	150 150	— —	10.5 5.5	— 0.15	— —	— —	I _g = 140 μamps	— —	7,200 7,200	— —	5971 ●
Class A Amplifier	135	—	2.5	4.0	—	—	2,150	23	—	—	5975 ●
Class A Amplifier	200	—	R _k = 680	12	—	4,000	4,000	16	—	—	5977 ●
Class A Amplifier	100	—	R _k = 270	10	—	—	4,500	16	—	—	5977 ●
Class A Amplifier	100	—	18	9.0	—	—	1,850	4.1	—	—	5987 ●
Class A Amplifier	250	250	12.5	45	4.5	45,000	4,000	—	5,000	4.0	5992
Full-Wave Rectifier	Max d-c output current = 60 ma; max peak inverse voltage = 1,250 volts; rms supply voltage per plate = 260 volts; max peak current per plate = 230 ma										5993
Half-Wave Rectifier	Max d-c output current = 45 ma; max peak inverse voltage = 850 volts; max rms supply voltage = 300 volts; max peak current = 275 ma										5995 ●
Class A Amplifier ▲	110	—	R _k = 105	100	—	350	15,500	5.4	—	—	5998
Full-Wave Rectifier	Max d-c output current = 120 ma; max peak inverse voltage = 1,400 volts; rms supply voltage per plate = 375 volts; max peak current per plate = 375 ma										6004
Class A Amplifier Class AB ₁ Amplifier	250 180 250	250 180 250	12.5 8.5 15	45 29 70	4.5 3.0 5	52,000 58,000 —	4,100 3,700 —	— — —	5,000 5,500 10,000	4.5 2.0 10	6006
Class A Amplifier	250	150	2.5	9.2	3.4	1,000,000*	4,000	—	—	—	6006
Class A Amplifier	22.5	22.5	0.2	0.475	0.1	400,000	420	—	—	—	6007 ●
Class A Amplifier	22.5	18	1.15	0.05	0.01	4,000,000	106	—	—	—	6008 ●
Class A Amplifier ▲	100	—	R _k = 150	6.5	—	6,500	5,400	35	—	—	6021 ●
Class A Amplifier	120	120	R _k = 180	7.5	2.5	300,000	5,000	—	—	—	6028
Class A Amplifier	90	—	4.0	11	—	4,250	2,000	8.5	—	—	6029 ●

● Absolute maximum rating.

▲ Without external shield.

1. Section 1.

2. Section 2.

▲ Per section.

* Plate supply voltage.

† Approximate.

‡ Zero signal.

§ Plate-to-plate.

▲ Maximum.

* Minimum.



6004