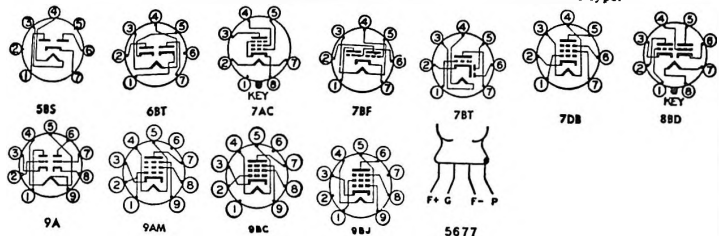


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
6042	Medium-Mu Twin Triode	8BD	9-3	Htr	25.0	0.15	250	—	—	—	—
6045	Medium-Mu Twin Triode	7BF	5-2	Htr	6.3	0.35	330	—	2.0 ▲	0.45 ▲ 0.34 ▲	1.3 ▲
6046	Beam Power Amplifier (Special 25L6-GT)	7AC	9-11	Htr	25.0	0.3	200	125	—	—	—
6050	High-Frequency Medium-Mu Triode	5677	2-1	Pil	1.25 DC	0.12	135	—	1.3	3.4	1.4
6067	High-Mu Twin Triode (Special 12AX7)	9A	6-2	Htr	12.6 6.3	0.15 0.3	300	—	1.6 ▲	0.46 ▲ 0.34 ▲	1.7 ▲
6068	Twin Diode (Special 6AL5)	6BT	5-2	Htr	6.3	0.3	—	—	—	—	—
6069	Sharp-Cutoff RF Pentode	9BC	6-2	Htr	6.3	0.15	300	125	4.25 ▲	4.0 ▲	0.01 ▲
6060	High-Frequency Twin Triode (Special 12AT7)	9A	6-2	Htr	12.6 6.3	0.15 0.3	350	—	2.25 ▲	0.4 ▲	1.6 ▲
6061	Beam Power Amplifier	9AM	6-3	Htr	6.3	0.45	315	285	—	—	—
6063	Full-Wave High-Vacuum Rectifier (Special 6X4)	5BS	5-3	Htr	6.3	0.6	—	—	—	—	—
6064	RF Pentode	7DB	5-2	Htr	6.3	0.3	250	250	7.8	3.9	0.01 ▲
6065	Remote-Cutoff RF Pentode	7DB	5-2	Htr	6.3	0.2	250	250	4.5	7.0	0.007 ▲
6066	Duplex Diode High-Mu Triode (Special 6AT6)	7BT	5-2	Htr	6.3	0.3	300	—	—	—	—
6067	Medium-Mu Twin Triode (Special 12AU7)	9A	6-2	Htr	12.6 6.3	0.15 0.3	300	—	1.0 ▲	0.51 ▲ 0.35 ▲	1.5 ▲
6072	Twin Triode (Special 12AY7)	9A	6-2	Htr	12.6 6.3	0.175 0.35	300	—	1.4 ▲	0.51 ▲ 0.42 ▲	1.5 ▲
6080	Low-Mu Twin Triode Power Amplifier (Special 6AS7-G)	8BD	T-X	Htr	6.3	2.5	250	—	6.0 ▲	2.2 ▲	8.0 ▲
6082	Low-Mu Twin Triode Power Amplifier	8BD	T-X	Htr	26.5	0.6	250	—	6.0 ▲	2.2 ▲	8.0 ▲
6084	AF Pentode	9BJ	6-3	Htr	6.3	0.3	300	200	5.1	7.1	0.025 ▲
6085	Medium-Mu Twin Triode	9A	6-3	Htr	12.6 6.3	0.3 0.6	300	—	2.81 2.71	1.21 1.31	2.61 2.75

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

③ Subminiature type.



Service	Plate Volts	Screen Volts	Ng Grid Volts	Plate Milli-amperes	Screen Milli-amperes	R _p Ohms	G _m μmhos	Factor	Load for Rated Output, Ohms	Power Output, Watts	Tube Type
Class A Amplifier	250	—	9	6.5	—	9,100	2,200	20	—	—	6042
Class A Amplifier	100	—	R _k = 50 Ω	9.0	—	5,900	5,400	38	—	—	6045
Class A Amplifier	200	125	R _k = 180 Ω	46†	2.2†	28,000	8,000	—	1,000	3.8	6046
Relay Energizer	110 115	110 115	7.5 25	49† 105	4.0† 0.1‡	13,000	8,000	—	2,000 500	2.1	—
Class A Amplifier	135	—	5	4.0	—	—	1,600	16	—	—	6050
Class A Amplifier	250	—	2	1.2	—	62,500	1,600	100	—	—	6067
Half-Wave Rectifier	Max d-c output current per plate = 9 ma; max peak inverse voltage = 420 volts; max rms supply voltage per plate = 150 volts; max peak current per plate = 64 ma										6068
Class A Amplifier	250	100	3	2.1	0.6	2,500,000	1,250	—	—	—	6069
Class A Amplifier	250	—	2	10	—	10,000	5,500	55	—	—	6060
Class A Amplifier	250 315	250 225	12.5 13	45† 34†	4.5† 2.2†	52,000 77,000	4,100 3,750	—	5,000 8,500	4.5 5.5	6061
Full-Wave Rectifier	Max d-c output current = 70 ma; max peak inverse voltage = 1250 volts; max rms supply voltage per plate = 325 volts; max peak current per plate = 210 ma										6063
Class A Amplifier	250	250	2.0	10	2.5	1,000,000	7,500	—	—	—	6064
Class A Amplifier	250	200	2.5	8.0	2.1	1,000,000	2,500	—	—	—	6065
Class A Amplifier	250	—	3.0	1.0	—	58,000	1,200	70	—	—	6066
Class A Amplifier	250	—	8.5	10.5	—	7,700	2,200	17	—	—	6067
Class A Amplifier	250	—	4.0	3.0	—	25,000	1,750	44	—	—	6072
DC Amplifier	135	—	R _k = 250	125	—	280	7,000	2	—	—	6080
DC Amplifier	135	—	R _k = 250	125	—	280	7,000	2	—	—	6082
Class A Amplifier	250	100	2.0	3.0	0.5‡	1,800,000	1,850	—	—	—	6084
Class A Amplifier	250	—	5.5	6	—	—	2,700	30	—	—	6085

‡ 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.

③ Absolute maximum rating.

‡ Plate-to-plate.

◆ Per section.

④ 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.

1—Section 1.

2—Section 2.

④ A resistor of 3 ohms must be put in series

with heater.