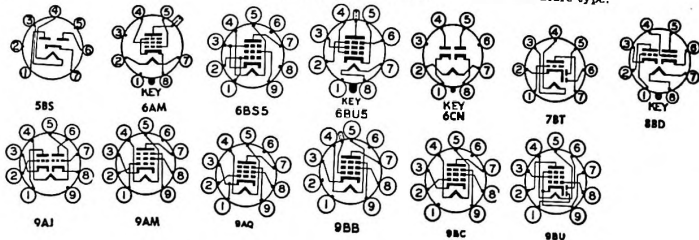


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
6BQ6-G 6BQ6-GA 6BQ6-GTA	Beam Power Amplifier	6AM	12-8 T-X 9-49 or 9-50	Htr	6.3	1.2	600	175	—	—	—
6BQ6-GT	Beam Power Amplifier	6AM	9-49 or 9-50	Htr	6.3	1.2	550	175	15▲	7.5▲	0.6▲
6BQ7 6BQ7-A	High-Frequency Twin Triode	9AJ	6-2	Htr	6.3	0.4	250	—	2.85	1.35	1.15
6BR7	Sharp-Cutoff RF Pentode	9BC	6-2	Htr	6.3	0.15	300	125	4.25▲	4.0▲	0.01▲
6BS6	Beam Power Amplifier	6BS5	6-3	Htr	6.3	0.75	250	250	9.5▲	4.5▲	0.3▲
6BS7	Sharp-Cutoff RF Pentode	9BB	6-6	Htr	6.3	0.15	300	125	4.0▲	4.0▲	0.01▲
6BT8	Duplex-Diode, High-Mu Triode	7BT	5-3	Htr	6.3	0.3	300	—	—	—	—
6BU5	Sharp-Cutoff Beam Pentode	6BU5	T-X	Htr	6.3	0.15	20,000	100	3.0▲	0.9▲	0.024▲
6BU8	Duplex-Diode Medium-Mu Triode	7BT	5-3	Htr	6.3	0.3	300	—	—	—	—
6BV7	Duplex-Diode Power Amplifier Pentode	9BU	6-3	Htr	6.3	0.6	250	250	11.5▲	9.5▲	0.5▲
6BW8	Beam Power Amplifier	9AM	6-3	Htr	6.3	0.45	315	285	—	—	—
6BW7	Sharp-Cutoff RF Pentode	9AQ	6-2	Htr	6.3	0.3	275	275	10▲	3.5▲	0.01▲
6BX4	Full-Wave High-Vacuum Rectifier	5BS	5-3	Htr	6.3	0.6	—	—	—	—	—
6BX6	RF Pentode	9AQ	6-3	Htr	6.3	0.3	250	250	—	—	—
6BX7-GT	Medium-Mu Twin Triode	8BD	9-41	Htr	6.3	1.5	500	—	1.4▲ 1.8▲	1.1▲ 1.2▲	4.2▲ 4.0▲
6BY5-G	Full-Wave High-Vacuum Rectifier	6CN	14-3	Htr	6.3	1.6	Tube Voltage Drop: ▲ 32 v at 175 ma d-c				
6BY5-GA	Full-Wave High-Vacuum Rectifier	6CN	T-X	Htr	6.3	1.6	Tube Voltage Drop: ▲ 32 v at 175 ma d-c				

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 μmhos	μ Factor	Load for Rated Output, Ohms	Power Output, Watts	Tube Type
Horizontal Deflection Amplifier	250 60	150 150	22.5 0	55 225	2.1 25	20,000	5,500	—	—	—	6BQ6-G 6BQ6-GA 6BQ6-GTA
	Max positive pulse plate voltage; ⊕ = 9000 volts; max plate dissipation = 11 watts; max screen dissipation = 2.5 watts; max d-c cathode current = 110 ma										
Horizontal Deflection Amplifier	250	150	22.5	55	2.1	20,000	5,550	—	—	—	6BQ6-GT
	Max positive pulse plate voltage; ⊕ = 5500 volts; max plate dissipation = 11 watts; max screen dissipation = 2.5 watts; max d-c cathode current = 110 ma										
Class A Amplifier	150	—	R _k = 220	9	—	5,800	6,000	35	—	—	6BQ7 6BQ7-A
	6,100 6,400 39										
Class A Amplifier	250	100	3.0	2.1	0.6	2,500,000	1,250	—	—	—	6BR7
Class A Amplifier	250	250	7.5	50†	6.0†	17,000	7,000	—	5,000	4.5	6BS6
Class A Amplifier	250	100	3.0	2.1	0.6	2,400,000	1,250	—	—	—	6BS7
Class A Amplifier	250	100	3.0	1.0	0.8	58,000	1,200	70	—	—	6BT8
	100 — 1.0 54,000 1,300 70										
High-Voltage Shunt Regulator	20,000	70	2.4	1.0	0.5	—	—	—	—	—	6BU5
	Max plate dissipation = 20 watts; max screen dissipation = 0.1 watt; max d-c cathode current = 2.5 ma										
Class A Amplifier	250	—	9.0	9.5	—	8,500	1,900	16	10,000	0.30	6BU8
Class A Amplifier	250	250	5.0	38†	6.0†	100,000	10,000	—	8,000	4.0	6BV7
Class A Amplifier	315	225	13.0	34†	2.2†	77,000	3,750	—	8,500	5.5	6BW8
	250 150 12.5 45† 4.5† 52,000 4,100 5,000										
	180 180 8.5 29† 3† 58,000 3,700 5,500 2.0										
Class A Amplifier	250	250	R _k = 180	10	3†	750,000	8,200	—	—	—	6BW7
Full-Wave Rectifier	Max d-c output current = 90 ma; max peak inverse voltage = 1350 volts; rms supply voltage per plate = 350 volts; max peak current per plate = 270 ma.										
Class A Amplifier	170	170	2.0	10	2.5	400,000	7,200	—	—	—	6BX6
Vertical Deflection Amplifier	250	—	R _k = 390	42	—	1,300	7,600	10	—	—	6BX7-GT
	100 — 0 80										
	Max positive pulse plate voltage; ⊕ = 2000 volts; max plate dissipation = 10 watts; max plate dissipation ⊕ = 12 watts; max d-c cathode current = 60 ma										
Full-Wave Rectifier TV Damp-er Services	Max d-c output current = 175 ma; max peak inverse voltage = 1400 volts; rms supply voltage per plate = 375 volts; max peak current per plate = 525 ma; Max d-c output current = 175 ma; max peak inverse voltage = 3000 volts; max peak current per plate = 525 ma										6BY5-G
Full-Wave Rectifier TV Damp-er Services	Max d-c output current = 175 ma; max peak inverse voltage ⊕ = 1400 volts; max peak current per plate = 525 ma; Max d-c output current = 175 ma; max peak inverse voltage ⊕ = 3000 volts; max peak current per plate = 525 ma										6BY5-GA

† Approximate.

▲ Without external shield.

‡ Zero signal.

§ Grids 3 and 5 are screen. Grid 4 is signal.

|| Input grid.

Conversion transconductance.

μ Maximum.

♥ Grids 2 and 4 are screen. Grid 3 is signal.

♦ Screen supply voltage.

⊕ Absolute maximum rating.

‡ Plate-to-plate.

♦ Per section.

⊕ For both sections.

* Minimum.

q 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.

† Section 1.

‡ Section 2.

♦ A resistor of 3 ohms must be put in series with heater.