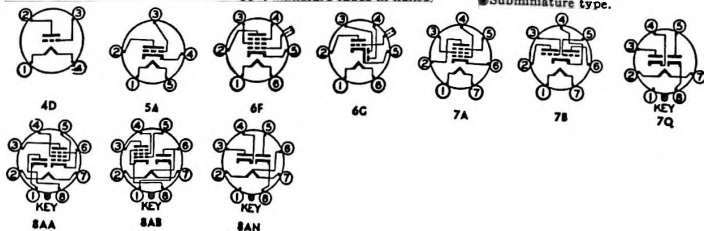


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
50Y6-GT	High-Vacuum Rectifier-Doubler	7Q	9-11	Htr	50.0	0.15	Tube Voltage Drop: ♦ 22 v at 150 ma d-c				
50Y7-GT	High-Vacuum Rectifier-Doubler	8AN	9-11 or 9-41	Htr	50.0	0.15	Tube Voltage Drop: ♦ 22 v at 150 ma d-c				
50Z6-G	High-Vacuum Rectifier-Doubler	7Q	14-3	Htr	50.0	0.3	—	—	—	—	—
50Z7-G	High-Vacuum Rectifier-Doubler	8AN	12-7	Htr	50.0	0.15	Tube Voltage Drop: ♦ 21 v at 130 ma d-c				
53	Twin Triode Power Amplifier	7B	14-1	Htr	2.5	2.0	300	—	Both Sections in Push-pull Both Sections in Parallel		
55	Duplex-Diode Medium-Mu Triode	6G	12-6	Htr	2.5	1.0	250	—			
56	Medium-Mu Triode	5A	12-5	Htr	2.5	1.0	250	—			
57	Sharp-Cutoff Pentode	6F	12-2	Htr	2.5	1.0	300	125	Pentode Connection Triode Connection (G ₁ , G ₂ & P Tied)		
58	Remote-Cutoff RF Pentode	6F	12-2	Htr	2.5	1.0	300	100	—	—	—
59	Power Amplifier Pentode	7A	16-1	Htr	2.5	2.0	250	250	—	—	—
70A7-GT	Half-Wave Rectifier Beam Power Amplifier	8AB	9-11	Htr	70.0	0.15	110	110	Tube Voltage Drop: 14 v at 120 ma d-c		
70L7-GT	Half-Wave Rectifier Beam Power Amplifier	8AA	9-15	Htr	70.0	0.15	117	117	Tube Voltage Drop: 20 v at 140 ma d-c		
71-A	Power-Amplifier Triode	4D	14-1	Fil	5.0	0.25	180	—	3.2	2.9	7.5
75	Duplex-Diode High-Mu Triode	6G	12-6	Htr	6.3	0.3	250	—	—	—	—
76	Medium-Mu Triode	5A	12-5	Htr	6.3	0.3	250	—	3.5	2.5	2.8
77	Sharp-Cutoff Pentode	8F	12-6	Htr	6.3	0.3	300	100	4.7▲	11.0▲	0.007
78	Remote-Cutoff RF Pentode	3P	12-6	Htr	6.3	0.3	300	150	4.5	11.0	0.007

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 Out-put, Ohms	Power Out-put, Watts	Tube Type
Rectifier or Doubler	Max d-c output current per plate = 75 ma; max peak inverse voltage = 700 volts; max rms supply voltage per plate = 235 volts; max peak current per plate = 450 ma										50Y6-GT
Rectifier or Doubler	Max d-c output current per plate = 75 ma; max peak inverse voltage = 700 volts; max rms supply voltage per plate = 235 volts; max peak current per plate = 450 ma With panel lamp #40 or #47 between pins 6 and 7 and no shunting resistor, max d-c output current per plate = 60 ma With panel lamp and 250 ohm shunting resistor (max), max d-c output per plate = 65 ma.										50Y7-GT
Rectifier or Doubler	Max d-c output current per plate = 125 ma; max peak inverse voltage = 700 volts; max rms supply voltage per plate = 235 volts; max peak current per plate = 750 ma										50Z6-G
Rectifier or Doubler	Max d-c output current per plate = 65 ma; max peak inverse voltage = 700 volts; max rms supply voltage per plate = 235 volts; max peak current per plate = 400 ma. Ratings also apply with panel lamp 292 or 292A between pins 6 and 7.										50Z7-G
Class B Amplifier	300	—	0.0	17.5†	—	—	—	—	8,000	10‡	53
Class A Amplifier	294	—	6.0	7.0	—	11,000	3,200	35	—	—	55
Class A Amplifier	250	—	20	8.0†	—	7,500	1,100	8.3	20,000	0.350	
Class A Amplifier	250	—	13.5	5.0	—	9,500	1,450	13.8	—	—	56
Class A Amplifier	250	100	3.0	2.0	0.5	1,000,000*	1,225	—	—	—	57
Class A Amplifier	250	—	8.0	6.5	—	10,500	1,900	20	—	—	58
Class A Amplifier	250	100	3.0	8.2	2.0	800,000§	1,600	—	—	—	
Class A Amplifier	250	250	18	35	9.0	40,000	2,500	—	6,000	3.0	59
Class A Amplifier	110	110	7.5	40†	3.0†	—	5,800	—	2,500	1.5	70A7-GT
Class A Amplifier Half-Wave Rectifier	Max d-c output current = 60 ma; max rms supply voltage = 125 volts. A panel lamp must be connected between pins 6 and 7.										70L7-GT
Class A Amplifier Half-Wave Rectifier	110	110	7.5	40†	3.0†	15,000	7,500	—	2,000	1.8	
Class A Amplifier	Max d-c output current = 70 ma; max peak inverse voltage = 350 volts; max rms supply voltage = 117 volts; max peak current = 420 ma										71-A
Class A Amplifier	180	—	40.5	20†	—	1,750	1,700	3.0	4,800	0.790	
Class A Amplifier	250	—	2.0	0.9	—	91,000§	1,100	100	—	—	75
Class A Amplifier	250	—	13.5	5.0	—	9,500	1,450	13.8	—	—	76
Class A Amplifier	250	100	3.0	2.3	0.5	1,000,000*	1,250	—	—	—	77
Class A Amplifier	250	125	3.0	10.5	2.6	600,000§	1,850	—	—	—	78

‡ 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.

§ Absolute maximum rating.

† Plate-to-plate.

♦ Per section.

§ 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.

* Section 1.

† Section 2.

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