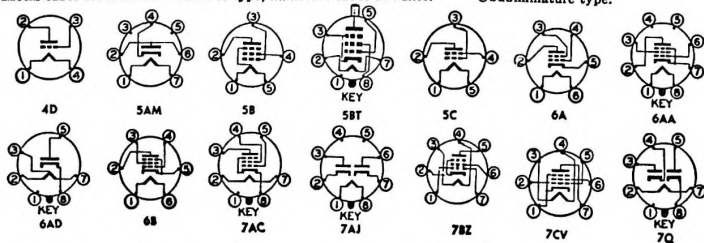


Tube Type	Classification by Construction	Base Connections	Out-line DWG	Type Cathode	Fila-ment Volts	Fila-ment Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
42	Power Amplifier Pentode	6B	14-1	Htr	6.3	0.7	375	285	—	—	—
43	Power Amplifier Pentode	6B	14-1	Htr	25.0	0.3	160	135	8.5	12.5	0.2
45	Power Amplifier Triode	4D	14-1	Fil	2.5	1.5	275	—	4.0	3.0	7.0
46Z3	Half-Wave High-Vacuum Rectifier	5AM	5-2	Htr	45.0	0.075	Tube Voltage Drop: 23 v at 130 ma d-c				
45Z5-GT	Half-Wave High-Vacuum Rectifier	6AD	9-11	Htr	45.0	0.15	Tube Voltage Drop: 16 v at 200 ma d-c				
46	Dual-Grid Power Amplifier	5C	16-1	Fil	2.5	1.75	400	—	Single tube (G ₁ & P tied)		
47	Power Amplifier Pentode	5B	16-1	Fil	2.5	1.75	250	250	8.6	13.0	1.2
48	Power Amplifier Tetrode	6A	16-1	Htr	30.0 DC	0.4	125	100	—	—	—
49	Dual-Grid Power Amplifier	5C	14-1	Fil	2.0 DC	0.12	135	—	Single tube (G ₁ & P tied)		
50	Power Amplifier Triode	4D	T-X	Fil	7.5	1.25	450	—	4.2	3.4	7.1
50A5	Beam Power Amplifier	6AA	9-31	Htr	50.0	0.15	200	125	—	—	—
50AX6-G	Full-Wave High-Vacuum Rectifier	7Q	14-3	Htr	50.0	0.3	Tube Voltage Drop: 21 v at 250 ma d-c				
60B6	Beam Power Amplifier	7BZ	5-3	Htr	50.0	0.15	135	117	13.0▲	6.5▲	0.50▲
60C6	Beam Power Amplifier	7CV	5-3	Htr	50.0	0.15	135	117	13.0▲	6.1▲	0.64▲
50C6-G 50C6-GA	Beam Power Amplifier	7AC	14-3 T-X	Htr	50	0.15	200	200*	—	—	—
50CD6-G	Beam Power Amplifier	5BT	16-5	Htr	50.0	0.3	700‡	175	25▲	9.5▲	0.6▲
50L6-GT	Beam Power Amplifier	7AC	9-11 or 9-41	Htr	50.0	0.15	200	125	—	—	—
50X6	High-Vacuum Rectifier-Doubler	7AJ	9-31	Htr	50.0	0.15	Tube Voltage Drop: 22 v at 150 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-am-peres	Screen Milli-am-peres	R _p Ohms	G _m μmhos	μ Fac-tor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Class A Amplifier	285	285	20	38‡	7.0‡	78,000‡	2,550	—	7,000	4.8	42
Class A Amplifier	160	120	18	33‡	6.5‡	42,000	2,375	—	5,000	2.2	43
Class A Amplifier	275	—	56	36‡	—	1,700	2,050	3.5	4,600	2.0	45
Half-Wave Rectifier	Max d-c output current = 65 ma; max peak inverse voltage = 350 v; max rms supply voltage = 117 volts; max peak current = 350 ma										46Z3
Half-Wave Rectifier	Max d-c output current = 100 ma; max peak inverse voltage = 700 volts; max rms supply voltage = 235 volts; max peak current = 600 ma. With panel lamp #40 or #47 between pins 2 and 3 and no shunting resistor, max d-c output current = 60 ma. With panel lamp and 250 ohm shunting resistor (max), max d-c output = 90 ma										45Z5-GT
Class A Amplifier	250	—	33	32‡	—	2,380	2,350	5.6	6,400	1.25	46
Class A Amplifier	250	250	16.5	31‡	6.0‡	60,000	2,500	—	7,000	2.7	47
Class A Amplifier	125	100	20	56	9.5	—	3,900	—	1,500	2.5	48
Class A Amplifier	135	—	20	6.0	—	4,175	1,125	4.7	11,000	0.170 \$	49
Class A Amplifier	450	—	84	55	—	1,800	2,100	3.8	4,350	4.6	50
Class A Amplifier	200	125	R _k = 180	46‡	2.2‡	28,000‡	8,000	—	4,000	3.8	50A5
Class A Amplifier	110	110	7.5	49‡	4.0‡	13,000‡	8,000	—	2,000	2.1	50AX6-G
Full-Wave Rectifier	Max d-c output current = 250 ma; max peak inverse voltage = 1250 volts; rms supply voltage per plate = 350 volts; max peak current per plate = 600 ma										50AX6-G
TV Damp-er Service	Max d-c output current per plate = 125 ma; max peak inverse voltage = 2000 volts; max peak current per plate = 600 ma										50B6
Class A Amplifier	110	110	7.5	49‡	4.0‡	10,000‡	7,500	—	2,500	1.9	50B6
Class A Amplifier	110	110	7.5	49‡	4.0‡	10,000‡	7,500	—	2,500	1.9	60C6
Class A Amplifier	135	135	13.6	56‡	3.5‡	9,300‡	7,000	—	2,000	3.6	50C6-G
Class A Amplifier	200	135	14	61‡	3.5‡	18,300‡	7,100	—	2,600	6.0	50C6-GA
Horizontal Deflection Amplifier	175	175	30	75	5.5	7,200‡	7,700	—	—	—	50CD6-G
	60	100	0	230	2‡	—	—	—	—	—	
	Max positive pulse plate voltage: E = 6600 volts; max plate dissipation = 15 watts; max screen dissipation = 3.0 watts; max d-c cathode current = 200 ma										
Class A Amplifier	200	125	R _k = 180	46‡	2.2‡	28,000‡	8,000	—	4,000	3.8	50L6-GT
Class A Amplifier	110	110	7.5	49‡	4.0‡	13,000‡	8,000	—	2,000	2.1	50X6
Rectifier or Doubler	Max d-c output current per plate = 75 ma; max peak inverse voltage = 700 volts; rms supply voltage per plate = 235 volts; max peak current per plate = 450 ma										50X6

‡ 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.