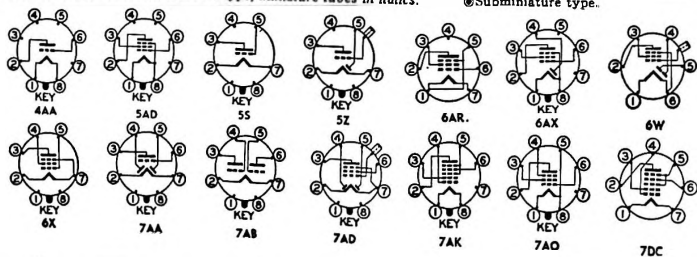


Tube Type	Classification by Construction	Base Connections	Out-line Dwg	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Out-put	Grid-plate
1F6	Duplex-Diode Sharp-Cutoff Pentode	6W	12-8	Fil	2.0 DC	0.06	180	67.5	4.0▲	9.0▲	0.007
1F7-GH 1F7-GV	Duplex-Diode Sharp-Cutoff Pentode	7AD	12-8	Fil	2.0 DC	0.06	180	67.5	3.8	9.5	0.01
1G4-GT	Medium-Mu Triode	5S	9-11	Fil	1.4 DC	0.05	110	—	2.2▲	3.4▲	2.8▲
1G5-G	Power Amplifier Pentode	6X	12-7	Fil	2.0 DC	0.12	135	135	—	—	—
1G6-GT	Twin-Triode Power Amplifier	7AB	9-11 or 9-41	Fil	1.4 DC	0.1	110	—	—	—	—
1H4-G 1H4-GT	Medium-Mu Triode	5S	12-7 or 9-41	Fil	2.0 DC	0.06	180	—	Single Tube 2 Tubes Push-pull		
1H5-G 1H5-GT	Diode High-Mu Triode	5Z	9-28 or 9-16	Fil	1.4 DC	0.05	110	—	0.75	4.6	1.1
1H6-G 1H6-GT	Duplex-Diode Medium-Mu Triode	7AA	12-7 or 9-41	Fil	2.0 DC	0.06	135	—	—	—	—
1J5-G	Power Amplifier Pentode	6X	14-3	Fil	2.0 DC	0.12	135	135	—	—	—
1J6-G 1J6-GT	Twin-Triode Power Amplifier	7AB	12-7 or 9-16	Fil	2.0 DC	0.24	135	—	Both Sections in push-pull		
1L4	Sharp-Cutoff RF Pentode	6AR	5-2	Fil	1.4 DC	0.05	110	90	3.6▲	7.5▲	0.008▲
1L6	Pentagrid Converter	7DC	5-2	Fil	1.4 DC	0.05	110	65	Osc $I_{g1} = 0.035$ ma $R_{g1} = 200,000$ ohms		
1LA4	Power Amplifier Pentode	5AD	9-30	Fil	1.4 DC	0.05	110	110	—	—	—
1LA6	Pentagrid Converter	7AK	9-30	Fil	1.4 DC	0.05	110	65	Osc $I_{g1} = 0.035$ ma $R_{g1} = 200,000$ ohms		
1LB4	Power Amplifier Pentode	5AD	9-30	Fil	1.4 DC	0.05	110	110	—	—	—
1LB6	Pentagrid Mixer	8AX	9-30	Fil	1.4 DC	0.05	90	67.5	E_{g2} (Injection) = 10 V peak*		
1LC5	Sharp-Cutoff RF Pentode	7AO	9-30	Fil	1.4 DC	0.05	110	45	3.2	7.0	0.007
1LC6	Pentagrid Converter	7AK	9-30	Fil	1.4 DC	0.05	110	45	Osc $I_{g1} = 0.035$ ma $R_{g1} = 200,000$ ohms		
1LD5	Diode Sharp-Cutoff Pentode	6AX	9-30	Fil	1.4 DC	0.05	90	45	3.2	6.0	0.18
1LE3	Medium-Mu Triode	4AA	9-30	Fil	1.4 DC	0.05	110	—	1.7	3.0	1.7

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

③ Subminiature type.



Service	Plate Volts	Screen Volts	Neg Grid Volts	Plate Milli-amperes	Screen Milli-amperes	R_p , Ohms	G_m , umhos	# Factor	Load Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Class A Amplifier	180	67.5	1.5	2.2	0.7	1,000,000	650	—	—	—	1F6
Class A Amplifier	180	67.5	1.5	2.2	0.7	1,000,000	650	—	—	—	1F7-GH 1F7-GV
Class A Amplifier	90	—	6	2.3	—	10,700	825	8.8	—	—	1G4-GT
Class A Amplifier	135	135	13.5	8.7†	2.5†	160,000	1,550	—	9,000	0.55	1G5-G
Class A Amplifier	90	90	13.5	8.5†	2.5†	133,000	1,500	—	8,500	0.25	1G5-G
Class A Amplifier	90	—	0	1.0	—	40,000	825	33	—	—	1G6-GT
Class B Amplifier	90	—	0	2.0†	—	—	—	—	12,000	0.675	1G6-GT
Class A Amplifier	180	90	—	13.5	3.1	10,300	900	9.3	—	—	1H4-G
Class B Amplifier	157.5	—	—	4.5	2.5	11,000	850	9.3	—	—	1H4-GT
Class A Amplifier	90	—	0	0.15	—	240,000	275	65	—	—	1H5-G
Class A Amplifier	135	—	3.0	0.8	—	35,000	575	20	—	—	1H5-GT
Class A Amplifier	135	135	16.5	7.0	2.0	105,300	950	—	135,000	0.45	1H6-G
Class B Amplifier	135	—	0	5.0†	—	—	—	—	10,000	2.1	1H6-GT
Class A Amplifier	90	90	0	4.5	2.0	350,000	1,025	—	—	—	1J5-G
Converter	90	45	0	0.5	0.6	650,000	300 #	—	—	—	1J6-G
Class A Amplifier	90	90	4.5	4.0†	0.8†	300,000	850	—	—	—	1J6-GT
Class B Amplifier	85	85	4.5	3.5†	0.7†	300,000	800	—	—	—	1J6-GT
Converter	90	45	0	0.55	0.6	750,000	250 #	—	—	—	1L4
Class A Amplifier	90	90	9.0	5.0†	1.0†	250,000	925	—	12,000	0.20	1L6
Mixer	90	67.5	0	0.4	2.2	2,000,000	100 #	—	—	—	1LA4
Class A Amplifier	90	45	0	1.15	0.30	1,000,000*	775	—	—	—	1LA6
Converter	90	35	0	0.75	0.7	650,000	275 #	—	—	—	1LB4
Class A Amplifier	90	45	0	0.6	0.1	750,000	575	—	—	—	1LB6
Class A Amplifier	90	—	0	3.0	1.4	11,200	1,300	14.5	—	—	1LC5
Class A Amplifier	90	—	0	3.0	1.4	19,000	760	14.5	—	—	1LC6

* 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.

⑥ For both sections.

⑦ Minimum.

⑧ Heater warm-up time controlled for series-string service.

⑨ Plate supply voltage.

⑩ Input plate.

⑪ The duration of the pulse voltage must not exceed 15 percent of one scanning cycle.

⑫ Section 1.

⑬ Section 2.

⑭ A resistor of 3 ohms must be put in series with heater.