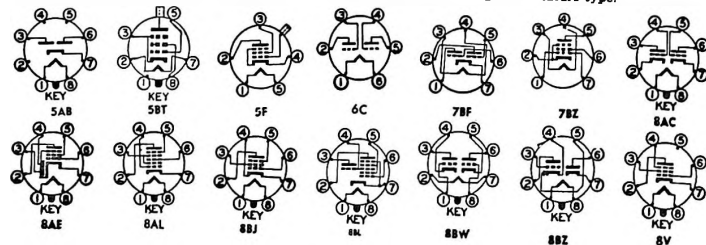


Tube Type	Classification by Construction	Base Connections	Out-line Dwg.	Type Cathode	Filament Volts	Filament Amp	Max Plate Volts	Max Screen Volts	Capacitance in Micromicrofarads		
									Input	Output	Grid-plate
14F8	High-Frequency Twin Triode	8BW	9-32	Htr	12.6	0.15	300	—	2.8	1.4	1.6
14H7	Semi-Remote-Cutoff RF Pentode	8V	9-30	Htr	12.6	0.15	300	150	8.0	7.0	0.004
14J7	Triode-Heptode Converter	8BL	9-30	Htr	12.6	0.15	300	100	Osc $I_{g1} = 0.4$ ma $R_{g1} = 50,000$ ohms		
14N7	Medium-Mu Twin Triode	8AC	9-31	Htr	12.6	0.3	300	—	—	—	—
14Q7	Pentagrid Converter	8AL	9-30	Htr	12.6	0.15	300	100	Osc $I_{g1} = 0.5$ ma $R_{g1} = 20,000$ ohms		
14R7	Duplex-Diode Remote-Cutoff Pentode	8AE	9-30	Htr	12.6	0.15	250	125	5.6	5.3	0.004
14S7	Triode-Heptode Converter	8BL	9-30	Htr	12.6	0.15	300	100	Osc $I_{g1} = 0.4$ ma $R_{g1} = 50,000$ ohms		
14W7	Sharp-Cutoff RF Pentode	8BJ	9-30	Htr	12.6	0.225	300	150	—	—	—
14X7	Duplex-Diode High-Mu Triode	8BZ	9-31	Htr	12.6	0.15	300	—	—	—	—
14Y4	Full-Wave High-Vacuum Rectifier	5AB	9-30	Htr	12.6	0.3	Tube Voltage Drop: Φ 22 v at 70 ma d-c				
15	Sharp-Cutoff RF Pentode	5F	12-6	Htr	2.0 DC	0.22	135	67.5	2.35	7.80	0.01
16A6	Sharp-Cutoff Pentode	9AR	6-4	Htr	16.0	0.3	250	250	—	—	—
16A6	Power Amplifier Pentode	9BL	6-4	Htr	16.5	0.3	250	250	11	5.9	1.0
17Z3	Half-Wave High-Vacuum Rectifier	9CB	T-X	Htr	17	0.3	—	—	—	—	—
18	Twin-Triode Power Amplifier	6C	12-5	Fil	2.0 DC	0.26	135	—	Both Sections in Push-pull		
19AQ5	Beam Power Amplifier	7BZ	5-3	Htr	18.9	0.15	250	250	—	—	—
19BG6-G	Beam Power Amplifier	5BT	16-5	Htr	18.9	0.3	700	350	12	6.5	0.34
19C8	Triode-Diode, High-Mu Triode	9E	6-2	Htr	18.9	0.15	250	—	—	—	—
19J8	Medium-Mu Twin Triode	7BF	5-2	Htr	18.9	0.15	300	—	2.0	0.4	1.5
19T8	Triode-Diode High-Mu Triode	9E	6-2	Htr	18.9	0.15	300	—	1.6	1.0	2.2

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 μ mhos	# Factor	Load for Rated Out-put, Ohms	Power Out-put, Watts	Tube Type
Class A Amplifier Φ	250	—	$R_k = 600$	6.0	—	—	3,300	48	—	—	14F8
Class A Amplifier	250	150	$R_k = 180$	10	3.2	800,000	4,000	—	—	—	14H7
Converter	100	100	1.5	7.5	2.6	350,000	4,000	—	—	—	14J7
Class A Amplifier Φ	250	100	3.0	1.4	2.8	1,500,000	290	20	R_k (Triode Osc) = 250 thru 20,000 ohms I_b (Triode) = 5.0 ma		14N7
Converter	250	100	2.0	3.5	8.5	1,000,000	550	—	—	—	14Q7
Class A Amplifier	250	100	1.0	5.7	2.1	1,000,000	3,200	—	—	—	14R7
Converter	100	100	1.0	5.5	2.2	350,000	3,000	—	—	—	14S7
Class A Amplifier	250	100	2.0	1.8	3.0	1,250,000	525	20	R_k (Triode Osc) = 250 thru 20,000 ohms I_b (Triode) = 5.0 ma		14W7
Class A Amplifier	300	150	$R_k = 160$	10	3.9	300,000	5,800	—	—	—	14X7
Full-Wave Rectifier	250	—	1.0	1.9	—	67,000	1,500	100	—	—	14Y4
Class A Amplifier	135	67.5	1.5	1.85	0.3	800,000	750	—	—	—	15
Class A Amplifier	180	180	2.9	36	4.6	100,000	10,000	—	—	—	16A6
Class A Amplifier	170	170	10.4	63	10	20,000	9,000	—	3,000	4.0	16A6
TV Dampers Services	135	—	0	5.0	—	Input Signal = 0.170 watt	10,000	2.1	—	—	17Z3
Class A Amplifier	250	250	12.5	45	4.5	52,000	4,100	—	5,000	4.5	19AQ5
Horizontal Deflection Amplifier	180	180	8.5	29	3.0	58,000	3,700	—	5,500	2.0	19BG6-G
Class A Amplifier	100	—	1.0	0.6	—	80,000	1,250	100	—	—	19C8
Class A Amplifier Φ	100	—	$R_k = 150$	8.5	—	7,100	5,300	38	—	—	19J8
Class A Amplifier	250	—	3.0	1.0	—	58,000	1,200	70	—	—	19T8
Class A Amplifier	100	—	1.0	0.8	—	54,000	1,300	70	—	—	19T8

 Φ Per section. Φ Maximum. Φ Approximate.

Conversion transconductance.

* Grids 2 and 4 are screen. Grid 3 is signal-input grid.

▲ Without external shield.

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

† Zero signal.

‡ Plate-to-plate.

§ Plate supply voltage.

Ⓜ Absolute maximum rating.

Ⓜ For both sections.

