



RCA CUNNINGHAM RADIOTRON CHART



TYPE	NAME	BASE	SOCKET CONNECTIONS	DIMENSIONS MAXIMUM OVERALL LENGTH x DIAMETER	CATHODE TYPE #	RATING			USE Values in right glow operating conditions and characteristics for indicated typical use	PLATE SUPPLY VOLTS	GRID VOLTS	SCREEN VOLTS	SCREEN MILLI-AMP.	PLATE MILLI-AMP.	A-C PLATE RESISTANCE OHMS	MUTUAL CONDUCTANCE MICRO-MHOS	VOLTAGE AMPLIFICATION FACTOR	LOAD FOR STATED POWER OUTPUT OHMS	POWER OUTPUT WATTS	TYPE
						FILAMENT OR HEATER	PLATE	SCREEN												
1A6	PENTAGRID CONVERTER	SMALL 6-PIN	FIG. 28	4 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.06	180	67.5	—	—	—	—	—	—	—	—	—	—	1A6
1C6	PENTAGRID CONVERTER	SMALL 6-PIN	FIG. 28	4 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.12	180	67.5	—	—	—	—	—	—	—	—	—	—	1C6
2A3	POWER AMPLIFIER TRODE	MEDIUM 6-PIN	FIG. 1	5 1/2" x 2 1/8"	FILAMENT	2.5	2.5	300	—	—	—	—	—	—	—	—	—	—	—	2A3
2A5	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIG. 15A	4 1/2" x 1 1/8"	HEATER	2.5	1.75	250	250	—	—	—	—	—	—	—	—	—	—	2A5
2A6	DUPLEX-DIODE HIGH-MU TRODE	SMALL 6-PIN	FIG. 13	4 1/2" x 1 1/8"	HEATER	2.5	0.8	250	—	—	—	—	—	—	—	—	—	—	—	2A6
2A7	PENTAGRID CONVERTER	SMALL 7-PIN	FIG. 20	4 1/2" x 1 1/8"	HEATER	2.5	0.8	250	100	—	—	—	—	—	—	—	—	—	—	2A7
2B7	DUPLEX-DIODE PENTODE	SMALL 7-PIN	FIG. 21	4 1/2" x 1 1/8"	HEATER	2.5	0.8	250	125	—	—	—	—	—	—	—	—	—	—	2B7
6A4 also 6A	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIG. 6	4 1/2" x 1 1/8"	FILAMENT	6.3	0.3	180	180	—	—	—	—	—	—	—	—	—	—	6A4
6A6	TWIN-TRODE AMPLIFIER	MEDIUM 7-PIN	FIG. 24	4 1/2" x 1 1/8"	HEATER	6.3	0.8	300	—	—	—	—	—	—	—	—	—	—	—	6A6
6A7	PENTAGRID CONVERTER	SMALL 7-PIN	FIG. 20	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	100	—	—	—	—	—	—	—	—	—	—	6A7
6B7	DUPLEX-DIODE PENTODE	SMALL 7-PIN	FIG. 21	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	125	—	—	—	—	—	—	—	—	—	—	6B7
6C6	TRIPLE-GRID AMPLIFIER	SMALL 6-PIN	FIG. 11	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	100	—	—	—	—	—	—	—	—	—	—	6C6
6D6	TRIPLE-GRID SUPER-CONTROL AMPLIFIER	SMALL 6-PIN	FIG. 11	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	100	—	—	—	—	—	—	—	—	—	—	6D6

Grids #3 and #5 are screen. Grid #4 is signal-input control-grid. *Requires different socket from small 7-pin. †Applied through plate coupling resistor of 200000 ohms. **For grid of following tube. ‡Applied through plate coupling resistor of 250000 ohms.

6F7	TRIODE PENTODE	SMALL 7-PIN	FIG. 27	4 1/2" x 1 1/8"	HEATER	6.3	0.3	100	—	—	—	—	—	—	—	—	—	—	—	—	6F7
'00-A	DETECTOR TRODE	MEDIUM 4-PIN	FIG. 1	4 1/2" x 1 1/8"	D-C FILAMENT	5.0	0.25	45	—	—	—	—	—	—	—	—	—	—	—	—	'00-A
01-A	DETECTOR AMPLIFIER	MEDIUM 4-PIN	FIG. 1	4 1/2" x 1 1/8"	D-C FILAMENT	5.0	0.25	135	—	—	—	—	—	—	—	—	—	—	—	—	01-A
10	POWER AMPLIFIER TRODE	MEDIUM 4-PIN	FIG. 1	5 1/2" x 2 1/8"	FILAMENT	7.5	1.25	425	—	—	—	—	—	—	—	—	—	—	—	—	10
11	DETECTOR AMPLIFIER TRODE	WD 4-PIN MEDIUM 4-PIN	FIG. 12	4 1/2" x 1 1/8"	D-C FILAMENT	1.1	0.25	135	—	—	—	—	—	—	—	—	—	—	—	—	11
12	DETECTOR AMPLIFIER TRODE	WD 4-PIN MEDIUM 4-PIN	FIG. 12	4 1/2" x 1 1/8"	D-C FILAMENT	1.1	0.25	135	—	—	—	—	—	—	—	—	—	—	—	—	12
19	TWIN-TRODE AMPLIFIER	SMALL 6-PIN	FIG. 25	4 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.26	135	—	—	—	—	—	—	—	—	—	—	—	—	19
'20	POWER AMPLIFIER TRODE	SMALL 4-PIN	FIG. 1	4 1/2" x 1 1/8"	D-C FILAMENT	3.3	0.132	135	—	—	—	—	—	—	—	—	—	—	—	—	'20
22	R-F AMPLIFIER TRODE	MEDIUM 4-PIN	FIG. 4	5 1/2" x 1 1/8"	D-C FILAMENT	3.3	0.132	135	67.5	—	—	—	—	—	—	—	—	—	—	—	22
24-A	R-F AMPLIFIER TRODE	MEDIUM 6-PIN	FIG. 9	5 1/2" x 1 1/8"	HEATER	2.5	1.75	275	90	—	—	—	—	—	—	—	—	—	—	—	24-A
26	AMPLIFIER TRODE	MEDIUM 4-PIN	FIG. 1	4 1/2" x 1 1/8"	FILAMENT	1.5	1.05	180	—	—	—	—	—	—	—	—	—	—	—	—	26
27	DETECTOR AMPLIFIER TRODE	MEDIUM 6-PIN	FIG. 8	4 1/2" x 1 1/8"	HEATER	2.5	1.75	275	—	—	—	—	—	—	—	—	—	—	—	—	27
30	DETECTOR AMPLIFIER TRODE	SMALL 4-PIN	FIG. 1	4 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.06	180	—	—	—	—	—	—	—	—	—	—	—	—	30

*For Grid-leak Detection—plate volts 45, grid return to + filament or to cathode. †Applied through plate coupling resistor of 250000 ohms or 500-henry choke shunted by 0.25 megohm resistor. **Maximum.

31	POWER AMPLIFIER TRODE	SMALL 4-PIN	FIG. 1	4 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.13	180	—	—	—	—	—	—	—	—	—	—	—	—	31
32	R-F AMPLIFIER TRODE	MEDIUM 4-PIN	FIG. 4	5 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.06	180	67.5	—	—	—	—	—	—	—	—	—	—	—	32
33	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIG. 6	4 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.26	180	180	—	—	—	—	—	—	—	—	—	—	—	33
34	SUPER-CONTROL R-F AMPLIFIER PENTODE	MEDIUM 4-PIN	FIG. 4A	5 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.06	180	67.5	—	—	—	—	—	—	—	—	—	—	—	34
35	SUPER-CONTROL R-F AMPLIFIER TRODE	MEDIUM 6-PIN	FIG. 9	5 1/2" x 1 1/8"	HEATER	2.5	1.75	275	90	—	—	—	—	—	—	—	—	—	—	—	35
36	R-F AMPLIFIER TRODE	SMALL 6-PIN	FIG. 9	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	90	—	—	—	—	—	—	—	—	—	—	—	36
37	DETECTOR AMPLIFIER TRODE	SMALL 6-PIN	FIG. 8	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	—	—	—	—	—	—	—	—	—	—	—	—	37
38	POWER AMPLIFIER PENTODE	SMALL 6-PIN	FIG. 9A	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	250	—	—	—	—	—	—	—	—	—	—	—	38
39-44	SUPER-CONTROL R-F AMPLIFIER PENTODE	SMALL 6-PIN	FIG. 9A	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	90	—	—	—	—	—	—	—	—	—	—	—	39-44

*For Grid-leak Detection—plate volts 45, grid return to + filament or to cathode. †Either A. C. or D. C. may be used on filament or heater, except as specifically noted. For use of D. C. on A-C filament types, decrease stated grid volts by 1/2 (approx.) of filament voltage. ‡Applied through plate coupling resistor of 250000 ohms or 500-henry choke shunted by 0.25 megohm resistor. **Maximum.

TYPE	NAME	BASE	SOCKET CONNECTIONS	DIMENSIONS MAXIMUM OVERALL LENGTH x DIAMETER	CATHODE TYPE #	RATING			USE Values in right glow operating conditions and characteristics for indicated typical use	PLATE SUPPLY VOLTS	GRID VOLTS	SCREEN VOLTS	SCREEN MILLI-AMP.	PLATE MILLI-AMP.	A-C PLATE RESISTANCE OHMS	MUTUAL CONDUCTANCE MICRO-MHOS	VOLTAGE AMPLIFICATION FACTOR	LOAD FOR STATED POWER OUTPUT OHMS	POWER OUTPUT WATTS	TYPE	
						FILAMENT OR HEATER	PLATE	SCREEN													
40	VOLTAGE AMPLIFIER TRODE	MEDIUM 6-PIN	FIG. 1	4 1/2" x 1 1/8"	D-C FILAMENT	5.0	0.25	180	—	—	—	—	—	—	—	—	—	—	—	—	40
41	POWER AMPLIFIER PENTODE	SMALL 6-PIN	FIG. 15A	4 1/2" x 1 1/8"	HEATER	6.3	0.4	250	250	—	—	—	—	—	—	—	—	—	—	—	41
42	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIG. 15A	4 1/2" x 1 1/8"	HEATER	6.3	0.7	250	250	—	—	—	—	—	—	—	—	—	—	—	42
43	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIG. 15A	4 1/2" x 1 1/8"	HEATER	25.0	0.3	135	135	—	—	—	—	—	—	—	—	—	—	—	43
45	POWER AMPLIFIER TRODE	MEDIUM 6-PIN	FIG. 1	4 1/2" x 1 1/8"	FILAMENT	2.5	1.5	275	—	—	—	—	—	—	—	—	—	—	—	—	45
46	DUAL-GRID POWER AMPLIFIER	MEDIUM 6-PIN	FIG. 7	5 1/2" x 2 1/8"	FILAMENT	2.5	1.75	250	—	—	—	—	—	—	—	—	—	—	—	—	46
47	POWER AMPLIFIER PENTODE	MEDIUM 6-PIN	FIG. 8	5 1/2" x 2 1/8"	FILAMENT	2.5	1.75	250	250	—	—	—	—	—	—	—	—	—	—	—	47
48	POWER AMPLIFIER TRODE	MEDIUM 6-PIN	FIG. 18	5 1/2" x 2 1/8"	D-C HEATER	30.0	0.4	125	100	—	—	—	—	—	—	—	—	—	—	—	48
49	DUAL-GRID AMPLIFIER	MEDIUM 6-PIN	FIG. 7	4 1/2" x 1 1/8"	D-C FILAMENT	2.0	0.12	180	—	—	—	—	—	—	—	—	—	—	—	—	49
50	POWER AMPLIFIER TRODE	MEDIUM 4-PIN	FIG. 1	6 1/2" x 2 1/8"	FILAMENT	7.5	1.25	450	—	—	—	—	—	—	—	—	—	—	—	—	50
53	TWIN-TRODE AMPLIFIER	MEDIUM 7-PIN	FIG. 24	4 1/2" x 1 1/8"	HEATER	2.5	2.0	300	—	—	—	—	—	—	—	—	—	—	—	—	53
55	DUPLEX-DIODE TRODE	SMALL 6-PIN	FIG. 13	4 1/2" x 1 1/8"	HEATER	2.5	1.0	250	—	—	—	—	—	—	—	—	—	—	—	—	55
56	SUPER-TRODE AMPLIFIER	SMALL 6-PIN	FIG. 8	4 1/2" x 1 1/8"	HEATER	2.5	1.0	250	—	—	—	—	—	—	—	—	—	—	—	—	56
57	TRIPLE-GRID DETECTOR AMPLIFIER	SMALL 6-PIN	FIG. 11	4 1/2" x 1 1/8"	HEATER	2.5	1.0	250	100	—	—	—	—	—	—	—	—	—	—	—	57

*For Grid-leak Detection—plate volts 45, grid return to + filament or to cathode. †Grid next to plate tied to resistor. ‡Two grids tied together. **For grid of following tube. ††Applied through plate coupling resistor of 250000 ohms.

58	TRIPLE-GRID SUPER-CONTROL AMPLIFIER	SMALL 6-PIN	FIG. 11	4 1/2" x 1 1/8"	HEATER	2.5	1.0	250	100	—	—	—	—	—	—	—	—	—	—	—	58
59	TRIPLE-GRID POWER AMPLIFIER	MEDIUM 7-PIN	FIG. 18	5 1/2" x 2 1/8"	HEATER	2.5	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	59
71-A	POWER AMPLIFIER	MEDIUM 4-PIN	FIG. 1	4 1/2" x 1 1/8"	FILAMENT	5.0	0.25	180	—	—	—	—	—	—	—	—	—	—	—	—	71-A
75	DUPLEX-DIODE HIGH-MU TRODE	SMALL 6-PIN	FIG. 13	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	—	—	—	—	—	—	—	—	—	—	—	—	75
76	SUPER-TRODE AMPLIFIER	SMALL 6-PIN	FIG. 8	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	—	—	—	—	—	—	—	—	—	—	—	—	76
77	TRIPLE-GRID DETECTOR AMPLIFIER	SMALL 6-PIN	FIG. 11	4 1/2" x 1 1/8"	HEATER	6.3	0.3	250	100	—	—	—	—	—	—	—	—	—	—	—	77
78	TRIPLE-GRID SUPER-CONTROL AMPLIFIER	SMALL 6-PIN	FIG. 11	4 1/2" x 1 1																	