

RCA Type	Name	Out- line	Terminal Dia- gram	Heater or Filament (F)		Use Values to right give operat- ing conditions and character- istics for indicated typical use
				Volts	Amperes	
6JA5	Beam Power Tube	15D	12EY	6.3	1.0	Vertical Deflection Amplifier
6JB6	Beam Power Tube	18A	9QL	6.3	1.2	Horizontal Deflection Amplifier
6JC6	Sharp-Cutoff Pentode	6B	9PM	6.3	0.3	Class A Amplifier
6JE6	Beam Power Tube	32D	9QL	6.3	2.5	Horizontal Deflection Amplifier
6JEG6A	Beam Power Tube	32B	9QL	6.3	2.5	Horizontal Deflection Amplifier
6JE8	High-Mu Triode Sharp-Cutoff Pentode	6E	9DX	6.3	0.78	Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier
6JG6	Beam Power Tube	17B	9QU	6.3	1.6	Horizontal Deflection Amplifier
6JK6	Sharp-Cutoff Pentode	5C	7CM	6.3	0.35	Class A Amplifier
6JK8	Dual Triode	6B	9AJ	6.3	0.4	Unit No. 1 as Oscillator Unit No. 2 as RF Amplifier
6JM6	Beam Power Tube	39A	12FJ	6.3	1.2	Horizontal Deflection Amplifier
6JS6	Beam Power Tube	16B	12FY	6.3	2.25	Horizontal Deflection Amplifier
6JS6A	Beam Power Tube	16B	12FY	6.3	2.25	Horizontal Deflection Amplifier
6JT6	Beam Power Tube	17C	9QU	6.3	1.2	Horizontal Deflection Amplifier
6JU8	Quadruple Diode	6E	9PQ	6.3	0.6	Phase Detector
6JZ6	Beam Power Tube	39A	12GD	6.3	1.5	Horizontal Deflection Amplifier
6K5GT	High-Mu Triode	14A	5U	6.3	0.3	Class A Amplifier
6K7	Remote-Cutoff Pentode	3	7R	6.3	0.3	Class A Amplifier
6K7G		23	7R			
6K7GT		14A	7R			
6K8	Triode-Hexode Converter	3	8K	6.3	0.3	Triode Unit as Oscillator
6K8G		23	8K			Hexode Unit as Mixer
6K8GT		—	8K			
6K11	Twin High-Mu Triode— Medium-Mu Triode	8A	12BY	6.3	0.6	Twin Unit as Class A Amplifier
6K11/ 6Q11						Class A Amplifier
6KL8	Diode—Sharp-Cutoff Pentode	6E	9LQ	6.3	0.3	Pentode Unit as Class A Amplifier
6KN8/ 6RHH8	Medium-Mu Twin Triode	6B	9AJ	6.3	0.4	Each Triode as Class A Amplifier
6KU8	Twin Diode— Sharp-Cutoff Pentode	10A	9LT	6.3	0.725	Pentode Unit as Class A Amplifier
6KV6	Beam Power Tube	31D	9QU	6.3	1.6	High-Voltage-Pulse Shunt Regulator
6KY6	Sharp-Cutoff Pentode	6E	9GK	6.3	0.52	Class A Amplifier
6KY8	High-Mu Triode	11C	9QT	6.3	1.1	Triode Unit as Oscillator
	Beam Power Tube					Beam Power Unit as Amplifier
6L5G	Medium-Mu Triode	22	6Q	6.3	0.15	Class A Amplifier
6L6G 6L6GB	Beam Power Tube	27B 19D	7AC 7AC	6.3	0.9	Single-Tube Class A Amplifier
						Push-Pull Class A Amplifier
						Push-Pull Class AB ₁ Amplifier
6L7 6L7G	Pentagrid Mixer	3 23	7T 7T	6.3	0.3	Mixer Service

Plate Volts	Grid Bias or Cathode Resistor	Screen Grid Volts	Screen Grid Cur- rent mA	Plate Cur- rent mA	AC Plate Resist- ance Ohms	Trans- conduct- ance Micromhos	Amplifi- cation Factor	Power		RCA Type
								Load Ohms	Out- put Watts	
135 45	—10V 0V	125 125	4.2 20	95 210	42000	10300	—	—	—	6JA5
Max. DC Plate Volts, 770						Instantaneous Plate Knee characteristic				
Max. Peak Cathode mA, 550						Max. Peak Neg.-Pulse Grid-No. 1 Volts, — 330				
Max. Plate Dissipation, 17.5 watts						Max. Grid-No. 2 Volts, 220				
						Max. Peak Positive-Pulse Plate Volts, 6500				
125	56Ω	125	3.2	13	0.18	15000	—	—	—	6JC6
For other characteristics, refer to Type 6JE6A										6JE6
175	—25	125	2.8	130	5800	9600	3	—	—	6JE6A
200	—2V	—	—	4.5	—	4200	70	—	—	—
250	82Ω	170	4	22	140000	12000	—	—	—	6JE8
60	0V	170	12	48	Instantaneous Plate Knee characteristic					
For other characteristics, refer to Type 6JG6A										6JG6
125	68Ω	125	3.9	11.5	150000	18000	—	—	—	6JK6
100	—1V	—	—	5.3	8000	6800	55	—	—	—
135	—1.2V	—	—	10	5400	13000	70	—	—	6JK8
For other ratings, refer to Type 6JB6										6JM6
175	—25V	125	4.5	125	5600	11300	3	—	—	6JS6
175	—25	125	4.5	125	5600	11300	3	—	—	6JS6A
For other ratings, refer to Type 6JB6										6JT6
Max. Peak Inverse Plate Volts, 300					Max. DC Output mA, 9					
Max. Peak Plate mA, 54					Max. Peak Heater-Cathode Volts, ± 300					
130	—20V	130	1.8	46	9900	9000	—	—	—	6JU8
50	0V	130	29	450	Instantaneous Plate Knee characteristic					
250	— 3V	—	—	1.1	50000	1400	70	—	—	6JZ6
250	— 3V	125	2.6	10.5	600000	1650	—	—	—	6K7 6K7G 6K7GT
100	Grid Res., 50000 ohms			3.8	Triode-Grid & Hexode-Grid Current, 0.15 mA					
100	— 3V	100	6.2	2.3	400000	Conversion Transcond., 325 micromhos				
250	— 3V	100	6.0	2.5	600000	Conversion Transcond., 350 micromhos				
250	— 2V	—	—	1.2	62500	1600	100	—	—	6K11
250	— 8.5V	—	—	10.5	7700	2200	17	—	—	6K11/ 6Q11
100	0	100	2.2	5.5	555000	4300	Grid-No. 1 Volts for plate cur- rent of 10 μA, 4.2			
110	—1V	—	—	16	2800	16000	45	—	—	6KN8/ 6RH8
For other characteristics, refer to Type 10KU8										6KU8
For other characteristics, refer to Type 6KV6A										6KV6
200	—18V	135	5.2	30	40000	30000	—	—	—	6KY6
Max. DC Plate Volts, 330					Max. Plate Dissipation, 1.5 watts					
Max. DC Cathode mA, 22										
Max. DC Plate Volts, 300					Max. Peak Positive-Pulse Plate Volts, 2200 (Abs.)					
Max. DC Cathode mA, 60					Max. Plate Dissipation, 12 watts					
250	— 9V	—	—	8.0	9000	1900	17	—	—	6L5G
250	—14V	250	5.0	72.0	—	—	—	2500	6.5	—
250	168Ω	250	5.4	75.0	—	—	—	2500	6.5	—
270	—17.5V	270	11.0□	134.0□	—	—	—	5000	17.5†	6L6G
270	124Ω□	270	11.0□	134.0□	—	—	—	5000	18.5†	6L6GB
360	—22.5V	270	5.0□	88.0□	—	—	—	6600	26.5†	—
360	248Ω□	270	5.0□	88.0□	—	—	—	9000	24.5†	—
250	— 6V	150	9.2	2.3	Oscillator-Grid (No. 3) Bias, —15 volts				6L7	
						Grid-No. 3 Peak Swing, 15 volts minimum				
						Conversion Transcond., 350 micromhos				

† For two tubes at stated plate-to-plate load.

□ For two tubes.