RCA Type	Name	Outline	Terminal Diagram	Heater or Filament (F) Volts	Amperes	Use Values to right give operating conditions and characteristics for indicated typical use
6LB8	**Medium-Mu Triode Sharp-Cutoff Pentode**	**10A**	**9DX**	6.3	0.725	Triode Unit as Class A Amplifier
						Pentode Unit as Class A Amplifier
6LH6A	**Beam Triode**	**21D**	**8ML**	6.3	0.2	Shunt Voltage Regulator
6LJ6	**Beam Triode**	**21D**	**8MQ**	6.3	0.2	Shunt Voltage Regulator
6LQ6/ 6JE6B	**Beam Power Tube**	**32C**	**9QL**	6.3	2.5	Horizontal Deflection Amplifier
6LZ6	**Beam Power Tube**	**32C**	**9QL**	6.3	2.3	Horizontal Deflection Amplifier
★**6MA6**	**Beam Triode**	**21D**	**8NP**	6.3	0.2	Shunt Voltage Regulator
6MK8	**Sharp-Cutoff Pentode**	**6E**	**9FG**	6.3	0.3	Class A Amplifier
6ML8	**Medium-Mu Triple Triode**	**6B**	**9RQ**	6.3	0.675	Class A Amplifier
6N6G	**Direct-Coupled Power Triode**	**25**	**7AU**	6.3	0.8	Class A Amplifier
6N7 6N7GT	**Medium-Mu Twin Power Triode**	**2B 13D**	**8B 8B**	6.3	0.8	Class A Amplifier (as Driver)
						Class B Amplifier
6P5GT	**Medium-Mu Triode**	**13D**	**6Q**	6.3	0.3	Amplifier Detector
6P7G	**Low-Mu Triode—Remote-Cutoff Pentode**	**23**	**7U**	6.3	0.3	Amplifier and Converter
6Q7 6Q7G 6Q7GT	**Twin Diode High-Mu Triode**	**3 23 14A**	**7V 7V 7V**	6.3	0.3	Triode Unit as Class A Amplifier
6Q11	**Twin High-Mu Triode—Medium-Mu Triode**	**8A**	**12BY**	6.3	0.6	Twin Unit as Class A Amplifier
						Class A Amplifier
6R7 6R7G 6R7GT	**Twin Diode—Medium-Mu Triode**	**3 23 14A**	**7V 7V 7V**	6.3	0.3	Triode Unit as Class A Amplifier
6RP22	**Power Pentode**	**6E**	**9BV**	6.3	0.65	Class A Amplifier
6S4	**Medium-Mu Triode**	**8E**	**9AC**	6.3 6.3	0.6 0.6	Vertical Deflection Amplifier
6S7 6S7G	**Remote-Cutoff Pentode**	**3 23**	**7R 7R**	6.3	0.15	Class A Amplifier
6S8GT	**Triple Diode—High-Mu Triode**	**14C**	**8CB**	6.3	0.3	Triode Unit as Class A Amplifier
6SA7 6SA7GT	**Pentagrid Converter**	**2A 13D**	**8R 8AD**	6.3	0.3	Converter
6SB7Y	**Pentagrid Converter**	**2A**	**8R**	6.3	0.3	Mixer
6SC7	**High-Mu Twin Triode**	**2A**	**8S**	6.3	0.3	Each Unit as Amplifier
6SF5 6SF5GT	**High-Mu Triode**	**2A 13D**	**6AB 6AB**	6.3	0.3	Class A Amplifier
6SF7	**Diode—Remote-Cutoff Pentode**	**2A**	**7AZ**	6.3	0.3	Pentode Unit as Class A Amplifier
6SG7	**Semiremote-Cutoff Pentode**	**2A**	**8BK**	6.3	0.3	Class A Amplifier
6SH7	**Sharp-Cutoff Pentode**	**2A**	**8BK**	6.3	0.3	Class A Amplifier
6SJ7 6SJ7GT	**Sharp-Cutoff Pentode**	**2A 13D**	**8N 8N**	6.3	0.3	Class A Amplifier
6SK7 6SK7GT	**Remote-Cutoff Pentode**	**2A 13D**	**8N 8N**	6.3	0.3	Class A Amplifier
6SN7GT 6SN7 GTA	**Medium-Mu Twin Triode**	**13D 13D**	**8BD**	6.3	0.6	Each Unit as Class A Amplifier
				6.3	0.6	Each Unit as Vertical Amplifier

Plate Volts	Grid Bias or Cathode Resistor	Screen Grid Volts	Screen Grid Current mA	Plate Current mA	AC Plate Resistance Ohms	Transconductance Micromhos	Amplification Factor	Power Load Ohms	Power Output Watts	RCA Type
125	68Ω	—	—	13	6000	5000	30	—	—	
200	82Ω	100	3.5	17	5000	20000		—	—	**6LB8**
50	0V	100	18	55	Instantaneous Plate Knee characteristic					
For other characteristics, refer to Type 6LJ6										6LH6A
Max. Plate Volts, 27000 Max. Unregulated Plate Supply Volts, 60000						Max. Average Plate mA, 1.6 Max. Plate Dissipation, 40 Watts				6LJ6
175	—35	145	2.4	95	7000	7500	2.8	—	—	6LQ6/ 6JE6B
For other characteristics, refer to Type 31LZ6										6LZ6
Max. Plate Volts, 30000						Max. Average Plate mA, 1.5 Max. Plate Dissipation, 40 Watts				**6MA6**
For other characteristics, refer to Type 6MK8A										6MK8
125	—1V	—	—	11	6400	6700	43	—	—	**6ML8**
Output Triode: Plate Volts, 300; Plate mA, 45; Load, 7000 ohms Triode: Plate Volts, 300; Grid Volts, 0; Input Plate mA, 8									4.0	6N6G
250	— 5V	—	—	6.0	11300	3100	35	20000	exceeds	**6N7**
300	— 6V	—	—	7.0	11000	3200	35	or more	0.4	
300	0V	Power Output for 1 tube at stated plate-to-plate load						8000	10.0	**6N7GT**
250	—13.5	—	—	5.0	9500	—	13.8	—	—	6P5GT
For other characteristics, refer to Type 6F7										6P7G
100	— 1V	—	—	0.8	58000	1200	70	—	—	**6Q7**
250	— 3V			1.1	58000	1200	70			6Q7G 6Q7GT
250	— 2V	—	—	1.2	62500	1600	100	—	—	6Q11
150	0V	—	—	22	7000	2500	18	—	—	
250	— 9V	—	—	9.5	8500	1900	16	—	—	6R7 6R7G 6R7GT
250	—3V	150	8.5	22	55000	8500	—	—	—	**6RP22**
Max. DC Plate Volts, 550 Max. DC Cathode mA, 30						Max. Peak Positive-Pulse Plate Volts, 2200 Max. Plate Dissipation, 8.5 watts				6S4
250	— 3V	100	2.0	8.5	1 M	1750	—	—	—	6S7 6S7G
250	— 2V	—	—	0.9	91000	1100	100	—	—	6S8GT
250	Self-Excited	100	8.5	3.5	1.0	Grid-No. 1 Resistor, 20000 ohms. Conversion Transcond., 450 micromhos				**6SA7** 6SA7GT
100	— 1V	100	10.2	3.6	500000	Grid-No. 1 Resistor, 20000 ohms. Conversion Transcond., 950 micromhos				**6SB7Y**
250	— 2V	—	—	2.0	53000	1325	70	—	—	**6SC7**
250	— 2V	—	—	0.9	66000	1500	100	—	—	**6SF5** 6SF5GT
100	— 1V	100	3.4	12.0	200000	1975				
250	— 1V	100	3.3	12.4	700000	2050	—	—	—	**6SF7**
100	— 1V	100	3.2	8.2	250000	4100	—	—	—	
250	— 2.5V	150	3.4	9.2	1 M	4000	—	—	—	**6SG7**
100	— 1V	100	2.1	5.3	350000	4000				
250	— 1V	150	4.1	10.8	900000	4900	—	—	—	**6SH7**
100	— 3V	100	0.9	2.9	700000	1575				**6SJ7**
250	— 3V	100	0.8	3.0	1 M	1650	—	—	—	6SJ7GT
100	— 1V	100	4.0	13.0	120000	2350				**6SK7**
250	— 3V	100	2.6	9.2	800000	2000	—	—	—	6SK7GT
100	0V	—	—	10.0	6700	3000	20	—	—	6SN7GT
250	— 8V	—	—	9.0	7700	2600	20	—	—	
Max. DC Plate Volts, 450 Max. Peak Cathode mA, 70						Max. Plate Dissipation: 5 watts either plate; 7.5 watts both plates Max. Peak Positive Pulse Plate Volts, 1500				6SN7 GTA