

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	
6DZ7	Twin Power Pentode	19B	8JP	6.3	1.52	Class A Amplifier Both Units as Push-Pull Class AB ₁ Amplifier
6E6	Twin Power Amplifier	26	7B	6.3	0.6	Push-Pull Class A Amplifier
6E7	Remote-Cutoff Pentode	24A	7H	6.3	0.3	Amplifier
6EA4	High-Mu Triode	16D	12FA	6.3	0.2	Shunt Voltage Regulator
6EA5	Sharp-Cutoff Tetrode	5C	7EW	6.3	0.2	Class A Amplifier
6EA7	Dual Triode	13B	8BD	6.3	1.05	Vertical Deflection Oscillator Vertical Deflection Amplifier
6EC4A/ EY500	Half-Wave Vacuum Rectifier	35C	6EC4	6.3	2.1	Television Damper Service
6EH4	Beam Triode	16E	12FA	6.3	0.2	Shunt Regulator
6EH7	Semiremote-Cutoff Pentode	6C	9AQ	6.3	0.3	Class A Amplifier
6EH8	Medium-Mu Triode—Sharp-Cutoff Pentode	6B	9JG	6.3	0.45	Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier
★6EJ4A	Beam Triode	16G	12HC	6.3	0.2	Voltage Control
6EJ7	Sharp-Cutoff Pentode	6C	9AQ	6.3	0.3	Class A Amplifier
6EL4 6EL4A	Beam Triode	21D	8MW	6.3	0.2	Shunt Voltage Regulator
6EM7	Dual Triode	13A	8BD	6.3	0.925	Class A Amplifier
6EQ7	Diode—Remote-Cutoff Pentode	6E	9LQ	6.3	0.3	Pentode Unit as Class A Amplifier
6ES5	High-Mu Triode	5C	7FP	6.3	0.2	Class A Amplifier
6ES8	Variable-Mu Twin Triode	6B	9AJ	6.3	0.365	Each Unit as Class A Amplifier Cascode-Type Amplifier
6ET7	Twin Diode— Sharp-Cutoff Pentode	6E	9LT	6.3	0.75	Pentode Unit as Class A Amplifier
6EU8	Medium-Mu Triode— Sharp-Cutoff Pentode	6B	9JF	6.3	0.45	Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier
6EV7	High-Mu Twin Triode	6E	9LP	6.3	0.6	Relay Control
6EX6	Beam Power Tube	21B	5BT	6.3	2.25	Horizontal Deflection Amplifier
6EY6	Beam Power Tube	13F	7AC	6.3	0.68	Vertical Deflection Amplifier
6EZ5	Beam Power Tube	13F	7AC	6.3	0.8	Vertical Deflection Amplifier
6EZ8	high-Mu Triple Triode	6B	9KA	6.3	0.45	Each Unit as Class A Amplifier
6F4 [†]	Triode	acorn	7BR	6.3	0.225	AF, RF Amplifier and Oscillator
6F5 6F5GT	High-Mu Triode	3 14A	5M 5M	6.3	0.3	Class A Amplifier
6F6 6F6G 6F6GT	Power Pentode	2B 25 13F	7S 7S 7S	6.3	0.7	Pentode Class A Amplifier Triode □ Class A Amplifier Pentode Push-Pull Class A Amplifier
6F7	Low-Mu Triode—Remote-Cutoff Pentode	24B	7E	6.3	0.3	Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier
6F8G	Medium-Mu Twin Triode	23	8G	6.3	0.6	Each Unit as Class A Amplifier
6FA7	Diode—Sharp-Cutoff, Twin-Plate Tetrode	6E	9MR	6.3	0.3	Tetrode Unit as Class A Amplifier
6FE5	Beam Power Tube	13G	8KB	6.3	1.2	Class A Amplifier

† Industrial type

★ See Safety Precautions at end of this section.

Plate Volts	Grid Bias or Cathode Resistor	Screen Grid Volts	Screen Grid Current mA	Plate Current mA	AC Plate Resistance Ohms	Trans- conduct- ance Micromhos	Amplifi- cation Factor	Power		RCA Type
								Load Ohms	Out- put Watts	
250	— 7.3V	250	5.5	48	38000	11300	—	—	—	6D27
400	—11V	250	13	100	—	—	—	9000	18	
300	120Ω	250	15	80	—	—	—	9000	12	
250	—27.5V	—	—	—	—	—	—	14000	1.60†	6E6
For other characteristics, refer to Type 6U7G										6E7
Max. DC Plate Volts, 27000					Max. Plate Dissipation, 30 watts					6EA4
Max. Unregulated DC Plate Supply Volts, 60000					Max. DC Plate mA, 1.6					
250	— 1V	140	0.95	10	150000	8000	—	—	—	6EA5
250	— 3	—	—	2	30000	2200	66	—	—	6EA7
175	—25	—	—	40	920	6000	5.5	—	—	
Max. Peak Inverse Plate Volts, 5600					Max. Plate Dissipation, 11 watts					6EC4A/ EY500
Max. Peak Plate mA, 800					Max. Peak Heater-Cathode Volts, —6300					
Max. DC Plate mA, 440					—					
Max. Plate Volts, 27000			Max. Peak Grid Volts, —440			Max. Plate Dissipation, 30 watts				6EH4
Max. DC Grid Volts, —135			Max. DC Plate mA, 1.6			—				
200	— 2V	90	4.5	12	500000	12500	—	—	—	6EH7
125	— 1V	—	—	13.5	—	7500	40	—	—	6EH8
125	— 1V	125	4	12	170000	6000	—	—	—	
Max. DC Plate Volts, 27000					Max. DC Plate mA, 1.5					6EJ4A
Typical Unregulated DC Supply Volts, 36000					Max. Plate Dissipation, 40 watts					
200	— 2.5V	200	4.1	10	350000	15000	—	—	—	6EJ7
For other characteristics, refer to Type 6LJ6										6EL4 6EL4A
For other characteristics, refer to Type 6EM7/6EA7										6EM7
100	0	100	3.5	9	250000	3800	(Rg = 2.2 megohms bypassed)			6EQ7
200	—1	—	—	10	8000	9000	75	—	—	6ES5
90	— 1.2V	—	—	15	2500	12500	—	—	—	6ES8
180	—	—	—	15	—	12500	—	—	—	
200	100Ω	150	5.5	25	60000	11500	—	—	—	6EJ7
60	0V	150	18	55	(Instantaneous plate knee characteristics)					
150	56Ω	—	—	18	5000	8500	40	—	—	6EU8
125	—1V	125	4	12	80000	6400	—	—	—	
250	0V	—	—	18.5	Grid Volts for Plate μA 100 = —9		2500-ohm relay		6EV7	
150	0V	—	—	10.0	Grid Volts for Plate μA 100 = —5		—			
175	—30V	175	3.3	67	8500	7700	—	—	—	6EX6
250	—17.5V	250	3	44	60000	4400	—	—	—	6EY6
250	—20V	250	3.5	43	50000	4100	—	—	—	6EZ5
125	—1	—	—	4.2	13600	4200	57	—	—	6EZ8
80	150Ω	—	—	13	2900	5800	17	—	—	6F4♦
100	— 1V	—	—	0.4	85000	1150	100	—	—	6F5 6F5GT
250	— 2V	—	—	0.9	66000	1500	100	—	—	
250	—16.5V	250	6.5	34.0	80000	2500	—	7000	3.2	6F6 6F6G
285	—20V	285	7.0	38.0	78000	2550	—	7000	4.8	
250	—20V	—	—	31.0	2600	2600	6.8	4000	0.85	6F6GT
315	—24V	285	12.0□	62.0□	—	—	—	10000	11.0†	—
100	— 3V	—	—	3.5	16000	500	8	—	—	6F7
250	— 3V	100	1.5	6.5	850000	1100	—	—	—	
For other characteristics, refer to Type 6J5										6F8G
100	0	100	3	2.2	130000	1900(With 2.2 megohm No.1 grid resistor)				6FA7
Use either plate with unused plate grounded										—
145	—16V	145	18	100	8000	9500	—	1000	5.6	6FE5

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

□ For two tubes.