

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	
7A4	Medium-Mu Triode	12B	5AC	6.3	0.3	Amplifier
7A5	Beam Power Tube	12C	6AA	6.3	0.75	Class A Amplifier
7A6	Twin Diode	12B	7AJ	6.3	0.15	Detector Rectifier
7A7	Remote-Cutoff Pentode	12B	8V	6.3	0.3	Class A Amplifier
7A8	Octode Converter	12B	8U	6.3	0.15	Converter
7AD7	Power Pentode	12C	8V	6.3	0.6	Class A Amplifier
7AF7	Medium-Mu Twin Triode	12B	8AC	6.3	0.3	Each Unit as Class A Amplifier
7AG7	Sharp-Cutoff Pentode	12B	8V	6.3	0.15	Class A Amplifier
7AH7	Sharp-Cutoff Pentode	12B	8V	6.3	0.15	Class A Amplifier
7B4	High-Mu Triode	12B	5AC	6.3	0.3	Amplifier
7B5	Power Pentode	12C	6AE	6.3	0.4	Class A Amplifier
7B6	Twin Diode—High-Mu Triode	12B	8W	6.3	0.3	Triode Unit as Amplifier
7B7	Remote-Cutoff Pentode	12B	8V	6.3	0.15	Class A Amplifier
7B8	Pentagrid Converter	12B	8X	6.3	0.3	Converter
7C5	Beam Power Tube	12C	6AA	6.3	0.45	Class A Amplifier
7C6	Twin Diode—High-Mu Triode	12B	8W	6.3	0.15	Triode Unit as Class A Amplifier
7C7	Sharp-Cutoff Pentode	12B	8V	6.3	0.15	Class A Amplifier
7D18/ PCC88	Dual Triode	6B	9DE	7	0.3	Each Unit as Class A Amplifier
7E6	Twin Diode—Medium-Mu Triode	12B	8W	6.3	0.3	Triode Unit as Amplifier
7E7	Twin Diode—Remote-Cutoff Pentode	12B	8AE	6.3	0.3	Pentode Unit as Class A Amplifier
7EY6	Beam Power Tube	13F	7AC	7.2	0.6	Vertical Deflection Amplifier
7F7	High-Mu Twin Triode	12B	8AC	6.3	0.3	Each Unit as Amplifier
7F8	Medium-Mu Twin Triode	12A	8BW	6.3	0.3	Each Unit as Class A Amplifier
7G7	Sharp-Cutoff Pentode	12B	8V	6.3	0.45	Class A Amplifier
7H7	Semiremote-Cutoff Pentode	12B	8V	6.3	0.3	Class A Amplifier
7HG8	Medium-Mu Triode— Sharp-Cutoff Pentode	6B	9MP	7.2	0.3	Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier
7J7	Triode-Heptode Converter	12B	8BL	6.3	0.3	Triode Unit as Oscillator Heptode Unit as Mixer
7K7	Twin Diode—High-Mu Triode	12B	8BF	6.3	0.3	Triode Unit as Class A Amplifier
7KZ6	Sharp-Cutoff Pentode	6E	9GK	7.3	0.45	Class A Amplifier
7L7	Sharp-Cutoff Pentode	12B	8V	6.3	0.3	Class A Amplifier
7N7	Medium-Mu Twin-Triode	12C	8AC	6.3	0.6	Each Unit as Class A Amplifier
7Q7	Pentagrid Converter	12B	8AL	6.3	0.3	Converter
7R7	Twin Diode—Remote-Cutoff Pentode	12B	8AE	6.3	0.3	Pentode Unit as Class A Amplifier
7S7	Triode-Heptode Converter	12B	8BL	6.3	0.3	Triode Unit as Oscillator Heptode Unit as Mixer
7V7	Sharp-Cutoff Pentode	12B	8V	6.3	0.45	Class A Amplifier
7W7	Sharp-Cutoff Pentode	12B	8BJ	6.3	0.45	Class A Amplifier
7X7	Twin Diode—High-Mu Triode	12C	8BZ	6.3	0.3	Triode Unit as Class A Amplifier
7Y4	Full-Wave Rectifier	12B	5AB	6.3	0.5	With Capacitive-Input Filter

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- con- duct- ance Micromhos	Amplifi- cation Factor	Power		RCA Type	
								Load Ohms	Out- put Watts		
For other characteristics, refer to Type 6J5										7A4	
110	— 7.5V	110	3.0	40.0	16000	5800	—	2500	1.5	7A5	
125	— 9V	125	3.3	44.0	17000	6000	—	2700	2.2	7A5	
Max. AC Voltage per Plate, 150 Volts, RMS						Max. DC Output Current per plate, 8 mA			7A6		
For other characteristics, refer to Type 6SK7										7AF7	
250	— 3V	100	3.2	3.0	700000	Anode-Grid (2): 250 max. volts, 4.2 mA Oscillator-Grid No. 1 Resistor, Conversion Transcond., 550 micromhos			7A8		
300	68Ω	150	7.0	28.0	300000	9500	—	—	—	7AD7	
250	—10V	—	—	9.0	7600	2100	16	—	—	7AF7	
250	250Ω	250	2.0	6.0	1 M	4200	—	—	—	7AG7	
250	250Ω	250	1.9	6.8	1 M	3300	—	—	—	7AH7	
For other characteristics, refer to Type 6SF5										7B4	
For other characteristics, refer to Type 6K6GT										7B5	
For other characteristics, refer to Type 6SQ7										7B6	
250	— 3V	100	1.7	8.5	—	750000	1750	—	—	7B7	
For other characteristics, refer to Type 6A8										7B8	
For other characteristics, refer to Type 6V6										7C5	
250	— 1V	—	—	1.3	100000	1000	100	—	—	7C6	
250	— 3V	100	0.5	2.0	2 M	1300	—	—	—	7C7	
90	—1.3	—	—	15	—	12500	33	—	—	7DJ8/ PCC88	
For other characteristics, refer to Type 6BF6										7E6	
250	330Ω	100	1.6	7.5	700000	1300	—	—	—	7E7	
For other characteristics, refer to Type 6EY6										7EY6	
For other characteristics, refer to Type 6SL7GT										7F7	
250	500Ω	—	—	6.0	—	3300	48	—	—	7F8	
250	— 2V	100	2.0	6.0	800000	4500	—	—	—	7G7	
100	— 1.5V	100	2.6	7.5	350000	4000	—	—	—	7H7	
250	180Ω	150	3.2	10.0	800000	4000	—	—	—	7H7	
For other characteristics, refer to Type 6HG8										7HG8	
250	Triode-Grid Resistor, 50000 ohms			5.0	Triode-Grid & Heptode-Grid Current, 0.4 mA					7J7	
250	— 3V	100	2.8	1.4	1.5 M	Conversion Transcond., 290 μmhos				7J7	
250	— 2V	—	—	2.3	44000	1600	70	—	—	7K7	
250	75Ω	115	3.6	25	45000	24000	—	—	—	7KZ6	
100	— 1V	100	2.4	5.5	100000	3000	—	—	—	7L7	
250	— 1.5V	100	1.5	4.5	1 M	3100	—	—	—	7L7	
For other characteristics, refer to Type 6SN7GT										7N7	
250	— 2V	100	8.5	3.5	1 M	Grid No. 1 Resistor, 20000 ohms Conversion Transcond., 450 μmhos				7Q7	
250	— 1V	100	2.1	5.7	1 M	3200	—	—	—	7R7	
100	Triode-Grid Resistor, 50000 ohms			3.0	—	—	—	—	—	7S7	
250	— 2V	100	3.0	1.8	1.25 M	Conversion Transcond., 525 μmhos				7S7	
300	160Ω	150	3.9	10.0	300000	5800	—	—	—	7V7	
For other characteristics, refer to Type 7V7										7W7	
250	— 1V	—	—	1.9	67000	1500	100	—	—	7X7	
Max. Peak Inverse Volts, 1250				Max. DC Output mA, 70			Max. Peak Plate mA, 180				7Y4