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
12EM6	Diode—Power Tetrode	6E	9HV	10.0 to 15.9	0.5 approx. at 12.6V	Class A Amplifier
12EN6	Beam Power Tube	13D	7AC	12.6	0.6	Vertical Deflection Amplifier
12EQ7	Diode—Remote-Cutoff Pentode	6E	9LQ	12.6	0.15	Pentode Unit as Class A Amplifier
12F5GT	High-Mu Triode	14A	5M	12.6	0.15	Amplifier
12F8	Twin Diode—Remote-Cutoff Pentode	6B	9FH	10.0 to 15.9	0.15 approx. at 12.6V	Pentode Unit as Class A Amplifier
12FK6	Twin Diode—Low-Mu Triode	5C	7BT	10.0 to 15.9	0.15 approx. at 12.6 V	Triode Unit as Class A Amplifier
12FM6	Twin Diode—Medium-Mu Triode	5C	7BT	10.0 to 15.9	0.15 approx. at 12.6V	Triode Unit as Class A Amplifier
12FQ8	High-Mu Twin Double-Plate Triode	6B	9KT	12.6	0.15	Each Unit as Class A Amplifier
12FR8	Diode—Medium-Mu Triode Remote-Cutoff Pentode	6K	9KU	12.6	0.32	Triode Unit as Class A Amplifier
12FV7	Medium-Mu Twin Triode	6E	9A	6.3 12.6	0.9 0.45	Each Unit as Class A Amplifier
12FX8	Medium-Mu Triode—Pentagrid Converter	8D	9KV	10.0 to 15.9	0.3 approx. at 12.6V	Triode Unit as Class A Amplifier Pentagrid Unit as Converter
12FX8A	Medium-Mu Triode-Pentagrid Converter	8D	9KV	10.0 to 15.9	0.27 approx. at 12.6V	Triode Unit as Class A Amplifier Pentagrid Unit as Converter
12GA6	Pentagrid Converter	5C	7CH	10.0 to 15.9	0.15 approx. at 12.6V	Converter
12GC6	Beam Power Tube	20A	8JX	12.6	0.6	Horizontal Deflection Amplifier
12GJ5	Beam Power Tube	18A	9QK	12.6	0.6	Horizontal Deflection Amplifier
12GN7 12GN7A	Sharp-Cutoff Pentode	6E	9BF	6.3 12.6	0.6 0.3	Class A Amplifier
12GT5 12GT5A	Beam Power Tube	17B	9NZ	12.6	0.6	Horizontal Deflection Amplifier
12H6	Twin Diode	29B	7Q	12.6	0.15	Voltage Doubler Half-Wave Rectifier
12J5GT	Medium-Mu Triode	13D	6Q	12.6	0.15	Amplifier
12J7GT	Sharp-Cutoff Pentode	14A	7R	12.6	0.15	Amplifier
12J8	Twin Diode—Power Tetrode	6B	9GC	10.0 to 15.9	0.325 approx. at 12.6V	Tetrode Unit as Class A Amplifier
12JB6	Beam Power Tube	18A	9QL	12.6	0.6	Horizontal-Deflection Amplifier
12JF5	Beam Power Tube	16A	12JH	12.6	0.6	Horizontal Deflection Amplifier
12JN8	Medium-Mu Triode—Sharp-Cutoff Pentode	6B	9FA	12.6	0.225	Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier
12JT6	Beam Power Tube	17C	9QU	12.6	0.6	Horizontal Deflection Amplifier
12K5	Power Tetrode	5D	7EK	10.0 to 15.9	0.4 approx. at 12.6V	Class A Amplifier
12K7GT	Remote-Cutoff Pentode	14A	7R	12.6	0.15	Amplifier
12K8	Triode-Hexode Converter	3	8K	12.6	0.15	Oscillator Mixer

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
12.6	——	12.6	1	6	4000	5000	Grid-No. 1 Res., 2.2 megohms			12EM6
Max. Peak Pos.-Pulse Volts, 1200 Max. Peak Neg.-Pulse Grid Volts, 250 Max. Peak Cathode mA, 175							Max. Plate Dissipation, 7 watts Max. DC Plate Volts, 300			12EN6
For other characteristics, refer to Type 6EQ7										12EQ7
For other characteristics, refer to Type 6F5GT										12F5GT
12.6	0V	12.6	0.38	1	330000	1000	Grid-No. 1 Volts for transcond. of 10 micromhos, —5			12F8
12.6	Grid Supply Volts, 0 Grid Res. (Bypassed), 2.2 megohms			1.3	6200	1200	7.4	——	——	12FK6
12.6	0V	——	——	1	7700	1300	10	——	——	12FM6
250	—1.5V	——	——	1.5	76000	1250	95	——	——	12FQ8
With plate not in use connected to ground.										
12.6	—0.8V	12.6	0.7	1.9	400000	2700	——	——	——	12FR8
100	— 2V	——	——	16	2250	9600	21.5	——	——	12FV7
12.6	——	——	——	1.3	7150	1400	10	Grid Res., 2.2 megohms		12FX8
12.6	——	12.6	1.25	0.29	500000	Grid No. 3 Res., 2.2 megohms Conversion Transcond., 300 μmhos				
12.6	— 0.8	——	——	1.3	7150	1400	10	——	——	12FX8A
12.6	— 0.5	12.6	1.25	0.29	500000	Grid No. 3 Res., 2.2 megohms Conversion Transcond., 300 μmhos				
12.6	1.6V	12.6	0.8	0.3	1 M	Grid No. 1 Res., 33000 ohms Conversion. Transcond., 140 μmhos				12GA6
Max. DC Plate Volts, 770 Max. DC Cathode mA, 175							Max. Peak Positive-Pulse Plate Volts, 6500 Max. Plate Dissipation 17.5 watts			12GC6
For other characteristics, refer to Type 6GJ5										12GJ5
50	0V	125	24	70	——	——	——	——	——	12GN7
250	0V	150	6.5	28	50000	36000	——	——	——	12GN7A
Max. DC Plate Volts, 770 Max. DC Cathode mA, 175							Max. Peak Positive-Pulse Plate Volts, 6500 Max. Plate Dissipation, 17.5 watts			12GT5 12GT5A
Max. AC Supply Volts per Plate (RMS), 117 Min. Total Effect. Plate-Supply Imped. per Plate: half-wave, 30 ohms; full wave, 15 ohms Max. AC Plate Volts (RMS), 150 Max. DC Output mA, 8 per Plate							Max. DC Output mA, 8. min. Min. Total Effective Plate-Supply Impedance: up to 117 volts, 15 ohms; at 150 volts, 40 ohms			12H6
For other characteristics, refer to Type 6J5GT										12J5GT
For other characteristics, refer to Type 6J7GT										12J7GT
12.6	— 0V	12.6	1.5	12	6000	5500	——	2700	0.02	12J8
For other ratings, refer to Type 6JB6										12JB6
Max. DC Plate Volts, 770 Max. DC Cathode mA, 175							Max. Peak Positive-Pulse Plate Volts, 6500 Max. Plate Dissipation, 17.5 watts			12JF5
125	— 1V	——	——	13.5	5400	8500	46	——	——	12JN8
125	— 1V	125	4	12	200000	7500	——	——	——	
Max. DC Plate Supply Volts, 770 Max. DC Cathode mA, 175							Max. Peak Positive-Pulse Plate Volts, 6500 Max. Plate Dissipation, 17.5 watts			12JT6
DC Plate Volts, 12.6 Grid-No. 2 (Control Grid) Volts, —.5 Plate Resistance, 480 ohms Grid-No. 1 (Space- Charge Grid) Volts, 12.6 Amplification Factor, Grid-No. 2 to Plate, 7.2 DC Plate mA, 40 Grid-No. 1 mA, 75 Transcond., Grid-No. 2 to Plate, 15000 μmhos										12K5
For other characteristics, refer to Type 6K7GT										12K7GT
For other characteristics, refer to Type 6K8										12K8