

| 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 | |
| | | | | | | |
| 6AL7GT | Electron-Ray Tube | 13C | 8CH | 6.3 | 0.15 | Visual Indicator |
| 6AM4 | High-Mu Triode | 6A | 9BX | 6.3 | 0.225 | Class A Amplifier |
| 6AM8 | Diode—Sharp-Cutoff Pentode | 6B | 9CY | 6.3 6.3 | 0.45 0.45 | Diode Unit Pentode Unit as Class A Amplifier |
| 6AN4 | High-Mu Triode | 5B | 7DK | 6.3 | 0.225 | Class A Amplifier |
| 6AN5 [†] | Beam Power Tube | 5C | 7BD | 6.3 | 0.45 | Class A Amplifier |
| 6AN8 | Medium-Mu Triode—Sharp-Cutoff Pentode | 6B | 9DA | 6.3 6.3 | 0.45 0.45 | Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier |
| 6AQ5 | Beam Power Tube | 5D | 7BZ | 6.3 6.3 | 0.45 0.45 | Single Tube Class A Amplifier Push-Pull Class A ₁ Amplifier |
| 6AQ6 | Twin-Diode—High-Mu Triode | 5C | 7BT | 6.3 | 0.15 | Triode Unit as Class A Amplifier |
| 6AQ7GT | Twin-Diode—High-Mu Triode | 13D | 8CK | 6.3 | 0.3 | Triode Unit as Class A Amplifier |
| 6AQ8 | High-Mu Twin Triode | 6B | 9AJ | 6.3 | 0.435 | Each Unit as Class-A Amplifier |
| 6AR5 | Power Pentode | 5D | 6CC | 6.3 | 0.4 | Class A Amplifier |
| 6AR8 | Beam-Deflection Tube | 6E | 9DP | 6.3 | 0.3 | Color TV Demodulator |
| 6AS6 [†] | Dual Control RF Pentode | 5B | 7CM | 6.3 | 0.175 | Class A Amplifier |
| 6AS7GA [†] | Low-Mu Twin Triode | 19E | 8BD | 6.3 | 2.5 | Voltage Regulator |
| 6AS11 | Dual Triode—Sharp-Cutoff Pentode | 8B | 12DP | 6.3 | 1.05 | Dual Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier |
| 6AT8 | Medium-Mu Triode | 6B | 9DW | 6.3 | 0.45 | Triode Unit as Class A Amplifier |
| 6AU4GT | Half-Wave Rectifier | 13G | 4CG | 6.3 | 1.8 | Television Damper Service |
| 6AU6 | Sharp-Cutoff Pentode | 5C | 7BK | 6.3 6.3 | 0.3 0.3 | Class A Amplifier |
| 6AU7 | Medium-Mu Twin Triode | 6B | 9A | 3.15 6.3 | 0.6 0.3 | Each Unit as Class A Amplifier |
| 6AU8 | Medium-Mu Triode—Sharp-Cutoff Pentode | 6E | 9DX | 6.3 | 0.6 | Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier |
| 6AV5GT | Beam Power Tube | 13D | 6CK | 6.3 | 1.2 | Horizontal Deflection Amplifier |
| 6AV11 | Medium-Mu Triple Triode | 8A | 12BY | 6.3 | 0.6 | Each Unit as Class A Amplifier |
| 6AW8 | High-Mu Triode—Sharp-Cutoff Pentode | 5E | 9DX | 6.3 | 0.6 | Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier |
| 6AX4GT | Half-Wave Rectifier | 13D | 4CG | 6.3 | 1.2 | Television Damper Service |
| 6AX8 | Medium-Mu Triode—Semiremote Cutoff Pentode | 6B | 9AE | 6.3 | 0.45 | Triode Unit as Class A Amplifier Pentode Unit as Class A Amplifier |
| 6AY3 | Half-Wave Rectifier | 11D | 9HP | 6.3 | 1.2 | Television Damper Service |
| 6AY11 | Twin Diode—High-Mu Twin Triode | 8A | 12DA | 6.3 | 0.69 | Each Triode Unit as Class A Amplifier |
| 6B4G | Power-Triode | 27B | 5S | 6.3F | 1.0 | Class A Amplifier |
| 6B5 | Direct-Coupled Power Triode | 26 | 6AS | 6.3 | 0.8 | Class A Amplifier |
| 6B6G | Twin-Diode—High-Mu Triode | 23 | 7V | 6.3 | 0.3 | Triode Unit as Amplifier |

[†] Industrial type

| 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- conduc- tance Micromhos | Amplifi- cation Factor | Power | | RCA Type |
|---|--|-------------------------|--------------------------------------|-----------------------------|---|---|------------------------------|--------------|----------------------|-------------|
| | | | | | | | | Load Ohms | Out- put Watts | |
| Target Voltage, 315 volts Grid Voltage = 0 volts Cathode Bias Res., 3300 ohms approx. | | | | | Grid Voltage for Pattern Cutoff, -7 volts approx. Deflecting-Electrodes—No. 1, No. 2 and No. 3 Voltage, 0 | | | | | 6AL7GT |
| 200 | 100Ω | — | — | 10 | 8700 | 9800 | 85 | — | — | 6AM4 |
| | | | | Max. DC Plate mA, 5 | Max. Peak Heater-Cathode Volts, ±200 | | | | | |
| 125 | 56Ω | 125 | 3.2 | 12.5 | — | 7800 | — | — | — | 6AM8 |
| 200 | 100Ω | — | — | 13 | 7000 | 10000 | 70 | — | — | 6AN4 |
| 120 | 120Ω | 120 | 12 | 35 | 12500 | 8000 | — | 2500 | 1.3 | 6AN5♦ |
| 150 | — 3V | — | — | 15 | 4500 | 4700 | 31 | — | — | 6AN8 |
| 125 | 56Ω | 125 | 3.8 | 12 | 170000 | 7800 | — | — | — | 6AN8 |
| 180 | — 8.5V | 180 | 3.0 | 29.0 | 50000 | 3700 | — | 5500 | 2.0 | 6AQ5 |
| 250 | — 12.5V | 250 | 4.5 | 45.0 | 50000 | 4100 | — | 5000 | 4.5 | |
| 250 | — 15V | 250 | 5.0□ | 70.0□ | 60000 | — | — | 10000 | 10.0† | 6AQ5 |
| 100 | — 1V | — | — | 0.8 | 61000 | 1150 | 70 | — | — | 6AQ6 |
| 250 | — 3V | — | — | 1.0 | 58000 | 1200 | 70 | — | — | |
| 250 | — 2V | — | — | 2.3 | 44000 | 1600 | 70 | — | — | 6AQ7GT |
| 250 | — 2.3V | — | — | 10 | — | 5900 | 57 | — | — | 6AQ8 |
| 250 | — 18V | 250 | 5.5 | 32.0 | 90000 | 2300 | — | 7600 | 3.4 | 6AR5 |
| 250 | 300Ω | 250 | — | 10 | — | 4000 | — | — | — | 6AR8 |
| 120 | — 2V | 120 | 3.5 | 5.2 | 110000 | 3200 | — | (EC3 = 0V) | — | 6AS6♦ |
| For other characteristics, refer to Type 6AS7G | | | | | | | | | | 6AS7GA♦ |
| 200 | 220Ω | — | — | 9.2 | 4400 | 4400 | 41 | — | — | 6AS11 |
| 200 | — 2V | — | — | 7 | 12400 | 5500 | 68 | — | — | |
| 200 | 125 | 125 | 5.2 | 24 | 70000 | 10500 | — | — | — | 6AT8 |
| 125 | — 1V | — | — | 12 | 6000 | 6500 | 40 | — | — | 6AT8 |
| Max. Peak Inverse Plate Volts, 4500 (Absolute) | | | | | Max. Average Plate mA, 175 | | | | | |
| Max. Peak Plate mA, 1050 | | | | | Max. Plate Dissipation, 6.0 watts | | | | | |
| 100 | 150Ω | 100 | 2.1 | 5.0 | 500000 | 3900 | — | — | — | 6AU6 |
| 250 | 68Ω | 150 | 4.3 | 10.6 | 1 M | 5200 | — | — | — | |
| 100 | 0V | — | — | 11.8 | 6250 | 3500 | 19.5 | — | — | 6AU7 |
| 250 | — 8.5V | — | — | 10.5 | 7700 | 2200 | 17 | — | — | |
| 150 | 150Ω | — | — | 9 | 8200 | 4900 | 40 | — | — | 6AU8 |
| 200 | 82Ω | 125 | 3.4 | 15 | 150000 | 7000 | — | — | — | 6AU8 |
| Max. DC Plate Volts, 550 | | | | | Max. Peak Positive-Pulse Plate Volts, 5500 (Abs.) | | | | | |
| Max. DC Cathode mA, 110 | | | | | Max. Plate Dissipation, 11 watts | | | | | |
| 250 | — 8.5V | — | — | 10.5 | 7700 | 2200 | 17 | — | — | 6AV11 |
| 100 | 0V | — | — | 11.8 | 6500 | 3100 | 20 | — | — | |
| 200 | — 2V | — | — | 4 | — | 4000 | 70 | — | — | 6AW8 |
| 150 | 150Ω | 150 | 3.5 | 13 | 200000 | 9500 | — | — | — | 6AW8 |
| 6AW8A Features a plate current characteristic with a controlled knee | | | | | | | | | | |
| Max. Peak Inverse Plate Volts, 4400 | | | | | Max. Peak Heater-Cathode Volts: { -4400** | | | | | |
| Max. Peak Plate mA, 750 | | | | | +300 | | | | | |
| Max. DC Plate mA, 125 | | | | | **DC component must not exceed 900 volts | | | | | |
| 150 | 560Ω | — | — | 18 | 5000 | 8500 | 40 | — | — | 6AX4GT |
| 250 | 120Ω | 110 | 3.5 | 10 | 400000 | 4800 | — | — | — | 6AX8 |
| Max. Peak Inverse Plate Volts, 5000 | | | | | Max. Plate Dissipation, 6.5 watts | | | | | |
| Max. Peak Plate mA, 1100 | | | | | Max. Peak Heater-Cathode Volts: { -5000 | | | | | |
| Max. DC Plate mA 175 | | | | | +300 | | | | | |
| 250 | — 2V | — | — | 1.2 | 52700 | 1900 | 100 | — | — | 6AY11 |
| 250 | — 45V | — | — | 60 | 800 | 5250 | 4.2 | 2500 | 3.5 | 6B4G |
| For other characteristics, refer to Type 6N6G | | | | | | | | | | 6B5 |
| For other characteristics, refer to Type 6SQ7 | | | | | | | | | | 6B6G |

♦ For two tubes at stated plate to plate load.

□ For two tubes.