

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	
				7591	Beam Power Tube	
7695	Beam Power Tube	13D	9PX	50	0.15	Class A Amplifier Push-Pull Class AB <sub>1</sub> Amplifier
7717/ 6CY5♦	Sharp-Cutoff Tetrode	5C	7EW	6.3	0.2	Class A Amplifier
7724/ 14GT8♦	Twin-Diode High-Mu Triode	6B	9KR	14	0.15	Triode Unit as Class A Amplifier
7788♦	Pentode	6B	9NK	6.3	0.34	Class A Amplifier
7898♦	High-Mu Twin Triode	6B	9EP	13.5	0.15	Class A Amplifier
8058♦	Nuvistor, High-Mu Triode	1A1	12CT	6.3	0.135	Class A Amplifier
8136♦	Sharp-Cutoff Pentode	5C	7CM	6.3	0.3	Class A Amplifier
8203♦	Nuvistor, Power Triode	1	12AQ	6.3	0.16	Class A Amplifier
8233♦	Pentode	11A	9PZ	6.3	0.6	Class A Amplifier
8532♦ 8532/ 6J4WA♦ 8532W♦	High-Mu Triode	5C	7BQ	6.3	0.4	Class A Amplifier
8627♦ 8627A♦	Nuvistor, Power Triode	1A2	12CT	6.3	0.15	Class A Amplifier
8628♦	Nuvistor, High-Mu Triode	1	12AQ	6.3	0.1	Class A Amplifier
8808♦	Nuvistor, High-Mu Triode	1A3	8808	6.3	0.34	Class A Amplifier
8950♦	Beam Power Tube	16E	8950	13.0	1.1	Class A Amplifier
9001♦	Detector Amplifier Pentode	5F	7BD	6.3	0.15	Class A Amplifier
9002♦	Medium-Mu Triode	5F	7BS	6.3	0.15	Detector; Amplifier, Oscillator
9003♦	RF Pentode	5F	7BP	6.3	0.15	Class A Amplifier
9005♦	UHF Diode	acorn	5BG	3.6	0.165	Half-Wave Rectifier
9006♦	UHF Diode	5F	6BH	6.3	0.15	Half-Wave Rectifier
EM84/ 6FG6	Electron-Ray Tube	6F	9GA	6.3	0.27	Visual Indicator

♦ Industrial type

### SAFETY PRECAUTIONS

Electron tubes that operate at potentials exceeding several thousand volts may emit X-radiation.

The high voltages associated with these devices result in production of X-radiation which may constitute a health hazard on prolonged exposure at close range unless the tube is adequately shielded. Equipment design must provide for this shielding.

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	
300	—10V	300	8	60	29000	10200	—	3000	11	7591
450	200Ω	400	11.5□	82□	—	—	—	9000	28†	
130	—11V	130	5	100	7000	11000	—	1100	4.5	7695
140	50Ω	140	9□	210□	—	—	—	1500	10†	
For other characteristics, refer to Type 6CY5										7717/ 6CY5♦
For other characteristics, refer to Type 14GT8										7724/ 14GT8♦
135	360Ω	165	5	35	—	50000	58	—	—	7788♦
250	200Ω	—	—	10	10900	5500	60	(each unit)		
110	47Ω	—	—	10	5600	12400	70	—	—	8058♦
For other characteristics, refer to Type 6DK6										
150	560Ω	—	—	7	5000	6000	30	—	—	8203♦
125	—3V	125	5.5	50	20000	45000	—	—	—	
150	100Ω	—	—	13.5	4800	11000	52.5	—	—	8532♦ 8532/ 6J4WA♦ 8532W♦
110	47Ω	—	—	11.5	5400	13000	70	—	—	
120	200Ω	—	—	1.5	41000	3100	127	—	—	8628♦
200	68Ω	—	—	15	6400	18000	100	—	—	
175	—21V	110	2.0	120	—	16000	—	—	—	8950♦
250	—3V	100	0.7	2.0	1 MΩ min.	1400	—	—	—	
250	—7V	—	—	6.3	11400	2200	25	—	—	9002♦
250	—3V	100	2.7	6.7	700000	1800	—	—	—	
117 RMS max.					DC Output Current 1.0 mA max.					9005♦
270 RMS					DC Output Current 5.0 mA					9006♦
Triode Plate Supply Volts, 250			Triode-Plate Resistance, 1 MΩ			Fluorescent-Target Volts, 250			EM84/ 6FG6	
Triode Grid-Supply Volts, —22			Triode Plate mA, 0.06			Triode-Grid Resistance, 0.47 MΩ			Fluorescent Target mA, 1.6	
Max. Length of Dark Part of Target, when triode grid resistor = 0, 1.14 inch										

† For two tubes at stated plate to plate load.

□ For two tubes.

### SAFETY PRECAUTIONS

Precautions must be exercised during the servicing of equipment employing these devices to assure that the high voltage is adjusted to the recommended value and that any shielding components are restored to their intended positions before the equipment is operated.

**Caution:** Operation of this tube outside of the maximum values indicated may result in either temporary or permanent changes in the X-radiation characteristics of the tube. Equipment design must be such that these maximum values are not exceeded.

**Note:** For Safety Precautions that apply to all tubes, refer to page 93.