



9AP4

9AP4/1804-P4

KINESCOPE

Heater	Coated Unipotential Cathode	
Voltage	2.5	a-c or d-c volts
Current	2.1	amp.
Focus	Electrostatic	
Deflection	Magnetic	
Phosphor	No.4	
Fluorescence	White	
Persistence	Medium	
Direct Interelectrode Capacitance:		
Grid No.1 to All Other Electrodes	9 μ pf	
Overall Length	21" $\pm$ 3/8"	
Diameter	9" $\pm$ 1/8"	
Bulb	J-72	
Cap	Medium Metal	
Base	Medium 6-Pin	

MAXIMUM RATINGS and TYPICAL OPERATING CONDITIONS

Maximum Ratings Are Based on a Line-Voltage Design Center of 117 Volts

High-Voltage Electrode (Anode No.2) Volt.	7000 max.	volts
Focusing Electrode (Anode No.1) Volt.	2000 max.	volts
Accelerating Electrode (Grid No.2) Volt.	250 max.	volts
Control Electrode (Grid No.1) Volt.	Never positive	
Fluorescent Screen Input Power/sq cm :		
Fixed Pattern	2.5 max.	mw
Moving Pattern	5.0 max.	mw
Grid Circuit Resistance	1.5 max.	megohms
Typical Operation:		

Cathode	{Should be connected to one side or to mid-tap of heater winding	
Anode No.2 Voltage	6000	7000 volts
Anode No.1 Voltage $\square$	1225	1425 approx. volts
Grid No.2 Voltage	250	250 volts
Grid No.1 Voltage $\circ$	Adjusted to give suitable luminous spot	
Grid No.1 Signal-Swing Volt. $\blacktriangle$	25	25 approx. volts

NOTE: Brilliance and definition decrease with decreasing anode voltages. In general the anode No.2 voltage should not be less than 5000 volts.

- $\square$ Supply should be adjustable to $\pm 20\%$ of the value shown.
- $\circ$ Approximately 35% of Grid No.2 voltage is required for current cut-off when, in some applications, it is necessary to use the maximum permissible grid-circuit resistance.
- $\blacktriangle$ Peak-to-peak value for good brilliance with good resolution. For greater brilliance, up to twice this value should be available.

The Characteristic Curves for the 9AP4 are the same as those for the 12AP4.

$\leftarrow$ Indicates a change.

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RCA RADITRON DIVISION
RCA MANUFACTURING COMPANY, INC.

DATA



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