

ELECTRONIC TUBE REFERENCE

5AHP4A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch P4 cathode-ray display tube with electrostatic focusing and magnetic deflection, using an aluminized screen for visual or instrument display.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	4 V
High-definition CRT section.	

The Sylvania 5AHP4A is a 5-inch high-resolution CRT with electrostatic focus, magnetic deflection, and a white screen.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 SYLVANIA

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage« . .+ 63Volts	63 V	Heater Voltage« . .+ 63Volts
Heater Current (Approx) 0.6 Amperc	600 mA	Heater Current (Approx) 0.6 Amperc
Anode Voltage . . 11,000 Volts dc	11 V	Anode Voltage . . 11,000 Volts dc
Voltage -550 to +1100 Volts dc	1100 V	Voltage -550 to +1100 Volts dc
Grid No. 1 Voltage	1 V	Grid No. 1 Voltage
Anode Voltage! . . 7,000 Volts dc	7 V	Anode Voltage! . . 7,000 Volts dc
Grid No. 4 Voltage for Focus? . 0 to +250 Volts dc	250 V	Grid No. 4 Voltage for Focus? . 0 to +250 Volts dc
Grid No. 2 Voltage . . 300 Volts dc	300 V	Grid No. 2 Voltage . . 300 Volts dc
Grid No. 1 Voltage? . =33 to =77 Volts dc	77 V	Grid No. 1 Voltage? . =33 to =77 Volts dc
voltage should not be less than 4,000 volts. SENECA FALLS, NEW YORK	4 V	voltage should not be less than 4,000 volts. SENECA FALLS, NEW YORK
Voltage or 16,000 volts, whichever is less.	16 V	Voltage or 16,000 volts, whichever is less.



1958 Compagnie General

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1958 COMPAGNIE GENERAL

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection Method	Electromagnetic text	—
Focusing Method	Electrostatic text	—
Screen Construction	Aluminized text	—
Phosphor	P4 text	—



SOURCE DATA APPENDIX

1965 Sylvania Electronic Tubes Vol3

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
Focusing Method	Electrostatic text	—
Deflection Method	Magnetic text	—
Deflection Angle	53 deg	Approximate
Fluorescence	White text	—
Persistence	Short to Medium text	—
Cathode-to-All Capacitance	5 pF	Approximate
Grid1-to-All Capacitance	6 pF	Approximate
Screen Aluminized	Yes text	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	11000 V	—
Maximum Focus Electrode Voltage	-550 V	NegativeLimit
Maximum Focus Electrode Voltage	1100 V	PositiveLimit
Maximum Grid2 Voltage	770 V	—
Maximum Grid1 Negative Bias	200 V	—
Maximum Heater-Cathode Voltage	200 V	EitherPolarity
Typical Anode Voltage	7000 V	—
Focus Voltage Minimum	0 V	Grid4
Focus Voltage Maximum	250 V	Grid4
Typical Grid2 Voltage	300 V	—
Grid1 Cutoff Voltage Minimum	-77 V	—
Grid1 Cutoff Voltage Maximum	-33 V	—
Maximum Line Width	0.4 mm	—
Maximum Grid1 Circuit Resistance	1.5 Mohm	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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