

ELECTRONIC TUBE REFERENCE

5FP4A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch P4 cathode-ray display tube documented by manufacturer data, using a white short-to-medium-persistence screen with beam focusing and deflection characteristics appropriate to direct visual display.

GENERAL CHARACTERISTICS

BASE DESIGNATION	65-80	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	8000 V
CRT maximum accelerating/anode/ultor voltage is promoted to MaxPlateVoltage; additional electrode ratings, capacitances, operating conditions, deflection/focus and optical data are preserved as parameters.	

The Sylvania 5FP4A is a 5-inch direct-view CRT with magnetic focus and deflection, intended for monitor service and using 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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection method	Magnetic	—
Focusing method	Electrostatic	—



SOURCE OPERATING CONDITIONS

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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	Nominal; $\pm 10\%$
Focusing Method	Magnetic text	—
Deflection Method	Magnetic text	—
Deflection Angle	53 deg	Approximate
Fluorescence	White text	—
Persistence	Medium text	—
Cathode-to-All Capacitance	5 pF	Approximate
Grid1-to-All Capacitance	8 pF	Approximate
Phosphorescence	White text	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	8800 V	—
Maximum Grid2 Voltage	450 V	—
Maximum Grid1 Negative Bias	140 V	—
Maximum Grid1 Positive Peak	2 V	—
Maximum Heater-Cathode Voltage	200 V	EitherPolarity
Anode Voltage	6000 V	—
Grid2 Voltage	250 V	—
Grid1 Cutoff Voltage Minimum	-70 V	—
Grid1 Cutoff Voltage Maximum	-25 V	—
Focusing Coil Current	120 mA	Approximate; ±15%
Maximum Grid1 Circuit Resistance	1.5 Mohm	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 1 of 7

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

1971 RCA HB3 BINDER 1 OF 7

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode voltage	6000 V	TypicalOperation
Maximum accelerating/anode voltage	8000 V	—
ANODE VOLTAGE'	8000 V	Maximum
GRID-No.2 VOLTAGE	410 V	Maximum
Anode Voltageb	6000 V	—
Grid-N o.2 Voltage	250 V	—
Grid-N o.1-Circuit Resistance 1	5 MΩ	Maximum

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid 1 to all other electrodes capacitance	5 pF	Approximate
Cathode to all other electrodes capacitance	8 pF	Approximate

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection angle	53 degrees	Approximate
Cathode to all other electrodes	8 pF	—
Grid No.1 to all other electrodes	5 pF	—
Geflection Angle (Approx.)	53 degrees	—

TUBE TINKER

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