

ELECTRONIC TUBE REFERENCE

5DLP4

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	—	BASE PINS	—
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	12000 V
Cathode-ray electron-gun/display section.	

The Sylvania 5DLP4 is a 5-inch aluminized P4 monitor CRT with electrostatic focus, magnetic deflection, and an external conductive coating.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	Nominal
Heater Current	600 mA	Nominal



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	Approximate
Focusing Method	Electrostatic text	—
Deflection Method	Magnetic text	—
Deflection Angle	53 deg	Approximate
Phosphor	P4 Aluminized text	—
Fluorescence	White text	—
Persistence	Medium Short text	—
Cathode-to-All Capacitance	5 pF	Approximate
Grid1-to-All Capacitance	6 pF	Approximate

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
External Coating-to-Anode Capacitance Minimum	200 pF	—
External Coating-to-Anode Capacitance Maximum	400 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	12000 V	GridDriveService
Minimum Recommended Anode Voltage	8000 V	GridDriveService
Focus Electrode Voltage Minimum	-550 V	Grid4
Focus Electrode Voltage Maximum	1100 V	Grid4
Maximum Grid2 Voltage	550 V	—
Maximum Grid1 Negative Bias	155 V	—
Maximum Grid1 Negative Peak	220 V	—
Maximum Grid1 Positive Peak	2 V	—
Maximum Heater-Cathode Voltage	200 V	EitherPolarity
Anode Voltage	10000 V	GridDriveService
Focus Voltage Minimum	0 V	Grid4
Focus Voltage Maximum	400 V	Grid4
Grid2 Voltage	300 V	—
Grid1 Cutoff Voltage Minimum	-72 V	—
Grid1 Cutoff Voltage Maximum	-35 V	—
Maximum Grid1 Circuit Resistance	1.5 Mohm	—