

ELECTRONIC TUBE REFERENCE

25DP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Twenty-five-inch direct-view monochrome television picture tube with electrostatic focusing, magnetic deflection, and a high-voltage P4 display system for large-screen receiver service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	22000 V
MAXIMUM SCREEN VOLTAGE	700 V
Direct-view CRT; source includes X-radiation exposure warning at elevated anode voltage.	

Twenty-five-inch bonded-frame television CRT with electrostatic focus, 110-degree magnetic deflection, gray-filter faceplate, and aluminized P4 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
Phosphor	P4	—
Deflection method	Magnetic	—
Focusing method	Electrostatic	—



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Heater voltage 6.3 Volts

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode voltage	22000 V	Maximum Anode voltage I . 22,000 Volts H ,-in H
Maximum Grid No. 2 Voltage	700 V	Maximum Grid No. 2 Voltage 700 Volts
Minimum Grid No. 2 Voltage	200 V	Minimum Grid No. 2 Voltage 200 Volts SYLVANIA ELECTRIC
After Equipment warm-up period	300 V	After Equipment warm-up period . 300 Volts PAGE 1 OF 3

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	16000 V	Anode voltage 16,000 Volts
Grid No. 4 Voltage for Focus6	0 V	Grid No. 4 Voltage for Focus6 0 Volt
Grid No. 2 Voltage	300 V	Grid No. 2 Voltage 300 Volts
Cathode voltage Required for cutoffs . . +32 to +	60 V	Cathode voltage Required for cutoffs . . +32 to +60 Volts

CIRCUITVALUE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No. 1 Resistance	1.5 Mohm	Grid No. 1 Resistance 1.5 Megohms Max.

TUBE TINKER

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