

ELECTRONIC TUBE REFERENCE

7UP25

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Seven-inch direct-view CRT with magnetic focusing and deflection and a high-resolution P25 orange long-persistence screen. Sylvania specifies anode capability to approximately 13.2 kV.

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	13200 V
MAXIMUM SCREEN VOLTAGE	770 V
Published source values promoted where applicable.	

Seven-inch direct-view CRT with magnetic focus/deflection and high-resolution P25 orange long-persistence screen.



SOURCE OPERATING CONDITIONS

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
Focusing method	Magnetic	—
Deflection method	Magnetic	—



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

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Grid No. 2/screen voltage	770 V	Published maximum Grid No. 2 voltage
Anode voltage	200 V	Anode voltage 13'200 Volts dc
Grid No. 2 Voltage	770 V	Grid No. 2 Voltage 770 Volts dc
Heater Negative with Respect to cathode	200 V	Heater Negative with Respect to cathode 200 Volts
Heater positive with Respect to cathode .,	200 V	Heater positive with Respect to cathode ,.... 200 Volts
Grid No. 1 Circuit Resistance	1.5 Mohm	Grid No. 1 Circuit Resistance 1.5 Megohms Max.

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	600 mA	Published heater current
Heater voltage	6.3 V	Heater voltage 6.3 Volts

TUBE TINKER

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and their source documents.

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