

ELECTRONIC TUBE REFERENCE

7JP7

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Seven-inch direct-view CRT with electrostatic focusing and deflection, clear faceplate, and a P7 long-persistence screen. Sylvania documentation gives anode capability around 2.8 kV for persistent 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	2800 V
CRT electron-gun/display section.	

Seven-inch direct-view CRT with electrostatic focus and electrostatic deflection, P7 long-persistence screen, and clear faceplate.

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 plate/anode voltage	2800 V	Published maximum plate/anode voltage
Focusing Anode Voltage	2800 V	Focusing Anode Voltage 2,800 Volts dc
Anode and Any Deflecting Plates	750 V	Anode and Any Deflecting Plates . . . 750 Volts
Anode voltage	6000 V	Anode voltage 6,000 Volts dc
Focusing Anode voltage	-2400 V	Focusing Anode voltage 1,620-2,400 Volts dc
Horizontal plates.?	177 V	Horizontal plates.? 177 Volts dc,'Inch
Grid No. 1 Circuit Resistance	1.5 Mohm	Grid No. 1 Circuit Resistance . . 1.5 Megohms Max.
Deflection circuit Resistance	5 Mohm	Deflection circuit Resistance, 5.0 Megohms M,ix. JUL.Y 1953

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	600 mA	Published heater current
Heater voltage	6.3 V	Heater voltage 6.3 Volts
Heater current (approx.)	600 mA	Heater current (approx.) 0.6 Ampere

TUBE TINKER

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