

ELECTRONIC TUBE REFERENCE

7MP14

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Seven-inch direct-view radar indicator CRT with magnetic focusing and deflection and a P14 purple/orange medium-long-persistence screen. Sylvania specifies anode capability to approximately 8.8 kV.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	8800 V
MAXIMUM SCREEN VOLTAGE	770 V
CRT electron-gun/display section.	

Seven-inch direct-view radar indicator CRT with magnetic focus/deflection and P14 purple/orange medium-long-persistence screen.

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
Maximum plate/anode voltage	8800 V	Published maximum plate/anode voltage
Anode Voltage	8800 V	Anode Voltage . 8,800Volts dc
Grid No. 2 Voltage	770 V	Grid No. 2 Voltage 770 Volts dc
Heater Negative with Respect to Cathode	140 V	Heater Negative with Respect to Cathode . 140 Volts
Heater Positive with Respect to Cathode	140 V	Heater Positive with Respect to Cathode 140 Volts
Anode Voltage2 4o00 7o	0 V	Anode Voltage2 4o00 7o00 Volts dc
Grid No. 2 Voltage 250	250 V	Grid No. 2 Voltage 250 250 Volts dc A Division of
Grid No. 1 Voltage for Cutoff3 -27 to -63 -27 to	-63 V	Grid No. 1 Voltage for Cutoff3 -27 to -63 -27 to -63 Volts dc SYI.VANIA ELECIRIC PRODUCTS, Inc.
Grid No. 1 Circuit Resistance	1.5 Mohm	Grid No. 1 Circuit Resistance . 1.5 Megohms Max. EMPORIU M, PENNSYI.VANIA

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

TUBE TINKER

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