

ELECTRONIC TUBE REFERENCE

7BPA

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Seven-inch direct-view cathode-ray display tube with electrostatic focusing and magnetic deflection. Sylvania publishes heater, capacitance, electrode-rating, operating-condition, and mechanical data for general indicator and display service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.5 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray
No fixed ratings recorded.
CRT electron-gun/display section.

7BPA is a direct-view cathode-ray display tube intended for television, radar, or indicator service. Its Sylvania datasheet provides heater data, interelectrode capacitances, electrode ratings, operating conditions, and mechanical information; focusing is electrostatic and deflection is 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	600 mA	Published heater current
Heater voltage	6.5 V	Published heater voltage

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anodevoltage . . •	8800 V	Anodevoltage . . • 8,800 Volts dc
GridNo.2Voltage	770 V	GridNo.2Voltage . 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
Grid No. 1 Circuit Resistance	1.5 Mohm	Grid No. 1 Circuit Resistance . 1.5 Megohms Max. TECHPN'];8#LdpaundBLiR=L%f% fysTfecTioN

TUBE TINKER

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and their source documents.

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