



ELECTRONIC TUBE REFERENCE

5AXP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch direct-view cathode-ray picture tube with electrostatic focusing and deflection and a P4 white television phosphor. Its high-voltage display system is intended for compact monochrome television applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	18000 V
<i>Cathode-ray electron-gun/display section.</i>	

Sylvania 5-inch cathode-ray tube with electrostatic focus, electrostatic deflection, and P4 white television phosphor. Published electrical ratings, capacitances, and operating conditions were extracted from the supplied datasheet.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	Nominal
Heater Current	600 mA	Nominal



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 Current	600 mA	—
FocusingMethod	Electrostatic	—
DeflectionMethod	Electrostatic	—
Phosphor	P4 white television phosphor	—
MinimumUsefulScreen	4.75 in	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FinalAnodeVoltageMaximum	18000 V	—
FocusElectrodeVoltageMaximum	500 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FinalAnodeVoltage	14000 V	—
FocusElectrodeVoltageForFocus	300 V	—
GridVoltageForCutoff	-28 to -72 V	—
GridCircuitResistanceMaximum	1.5 Mohm	—
Grid2AndGrid4VoltageMaximum	500 V	—
GridNegativeBiasMagnitudeMaximum	125 V	—
Grid2AndGrid4Voltage	300 V	—