



ELECTRONIC TUBE REFERENCE

5ABP11

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch direct-view oscilloscope CRT with electrostatic focusing and deflection, post-deflection acceleration, and a blue P11 screen suited to fast waveform presentation and photographic observation.

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

SECTION 1 Cathode Ray*No fixed ratings recorded.**CRT electron-gun/display section.*

The Sylvania 5ABP11 is a 5-inch direct-view oscilloscope CRT with electrostatic focus and deflection, post-deflection acceleration, and a blue 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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
Focusing Method	Electrostatic text	—
Deflection Method	Electrostatic text	—
Fluorescence	Blue text	—
Persistence	Short text	—
Cathode-to-All Capacitance	5 pF	Nominal
Grid1-to-All Capacitance	8 pF	Nominal
Deflection Plates 1-2 Capacitance	2.5 pF	Nominal
Deflection Plates 3-4 Capacitance	4.3 pF	Nominal

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode3 Voltage	6600 V	—
Maximum Anode2 Voltage	2860 V	—
Maximum Anode1 Voltage	1100 V	—
Maximum Grid1 Negative Bias	220 V	—
Maximum Grid1 Positive Peak	2 V	—
Maximum Heater-Cathode Voltage	140 V	EitherPolarity
Maximum Anode2-to-Deflection-Plate Voltage	550 V	—
Typical Anode3 Voltage	3000 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Anode2 Voltage	1500 V	—
Focus Voltage Minimum	300 V	Anode1
Focus Voltage Maximum	515 V	Anode1
Grid1 Cutoff Voltage Minimum	-65 V	—
Grid1 Cutoff Voltage Maximum	-39 V	—
Deflection Factor Plates 1-2 Minimum	40 V/in	—
Deflection Factor Plates 1-2 Maximum	54 V/in	—
Deflection Factor Plates 3-4 Minimum	27 V/in	—
Deflection Factor Plates 3-4 Maximum	36 V/in	—
Maximum Grid1 Circuit Resistance	1.5 Mohm	—
Maximum Deflection Circuit Resistance	5 Mohm	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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