

ELECTRONIC TUBE REFERENCE

3ASP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Three-inch oscilloscope and instrument cathode-ray tube with electrostatic focusing and electrostatic deflection and a P1 screen. Manufacturer documentation supports compact waveform, measurement, and indicator-display service.

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	3000 V
Published source values promoted where applicable; additional values retained as parameters.	

Electrostatically focused and deflected oscilloscope/instrument CRT with P1 phosphor.



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Deflection method	Electrostatic	—
Phosphor	P1	—



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
Focusing method	Electrostatic	—
Deflection method	Electrostatic	—
Heater voltage	6.3 V	—
Heater current	600 mA	—
Fluorescence	Green	—
P1 light output minimum	20 foot-lambert	—
Modulation maximum	38 V	—
Line width maximum	0.65 mm	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Oscilloscope / precision instrument display	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode-2 voltage	2000 V	—
Focus voltage range	400 to 700 V	—
Grid cutoff voltage range	-40 to -70 V	—
Grid1 circuit resistance maximum	1.5 Mohm	—
Deflection-circuit resistance maximum	1 Mohm	—