

Three-inch high-brightness P1 cathode-ray tube with electrostatic focusing and electrostatic deflection. Sylvania documentation supports compact oscilloscope and specialized instrument-display applications.

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
No fixed ratings recorded.
Published ratings and characteristics promoted semantically from the approved source.

The Sylvania SC2840 is a 3-inch high-brightness P1 cathode-ray tube with electrostatic focus and deflection.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Phosphor	P1	—
Focusing Method	Electrostatic	—
Deflecting Method	Electrostatic	—



SOURCE OPERATING CONDITIONS

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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	—
Phosphor	P1 text	—
Fluorescence	Green text	—
Persistence	Medium text	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode2 Voltage	2250 V	—
Maximum Anode1 Voltage	1100 V	—
Maximum Grid Negative Bias	220 V	—
Maximum Grid Positive Peak	2 V	—
Maximum Heater-Cathode Voltage	140 V	EitherPolarity
Maximum Anode2-to-Deflection-Plate Voltage	550 V	—
Anode2 Voltage	1200 V	—
Focus Voltage Minimum	120 V	Anode1
Focus Voltage Maximum	400 V	Anode1
Grid Cutoff Voltage Minimum	-90 V	—
Grid Cutoff Voltage Maximum	-42 V	—
Deflection Factor Plates 1-2 Minimum	210 V/in	—
Deflection Factor Plates 1-2 Maximum	290 V/in	—
Deflection Factor Plates 3-4 Minimum	180 V/in	—
Deflection Factor Plates 3-4 Maximum	260 V/in	—