

ELECTRONIC TUBE REFERENCE

SC2854

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch special-purpose CRT with electrostatic focusing, magnetic deflection, and a special blue-emitting screen. Sylvania specifies high-voltage operation to approximately 11 kV.

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	11000 V
Published ratings and characteristics promoted semantically from the approved source.	

The Sylvania SC2854 is a 5-inch special-purpose CRT with electrostatic focus, magnetic deflection, and a special blue-emitting screen.



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
Maximum Plate Voltage	11000 V	—
Typical Anode Voltage	7000 V	—

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
Focusing Method	Electrostatic text	—
Deflection Method	Magnetic text	—
Deflection Angle	53 deg	Approximate

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Fluorescence	Blue text	—
Maximum Line Width	0.4 mm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	11000 V	—
Focus Electrode Voltage Minimum	-550 V	—
Focus Electrode Voltage Maximum	1100 V	—
Maximum Grid2 Voltage	770 V	—
Maximum Grid1 Negative Bias	200 V	—
Maximum Heater-Cathode Voltage	200 V	EitherPolarity
Anode Voltage	7000 V	—
Focus Voltage Minimum	0 V	—
Focus Voltage Maximum	250 V	—
Grid2 Voltage	300 V	—
Grid1 Cutoff Voltage Minimum	-77 V	—
Grid1 Cutoff Voltage Maximum	-33 V	—
Maximum Grid1 Circuit Resistance	1.5 Mohm	—

TUBE TINKER

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

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