

ELECTRONIC TUBE REFERENCE

SC2795

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

High-speed electrostatic-charge printing cathode-ray tube using a fine wire-array target. Sylvania specifies high-voltage operation to approximately 25 kV for rapid electronic printing rather than visual display.

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	25000 V
Published ratings and characteristics promoted semantically from the approved source.	

The Sylvania SC2795 is a high-speed electrostatic-charge printing cathode-ray tube using a fine wire-array target.



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	25000 V	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing Method	Magnetic	—
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	Magnetic text	—
Deflection Method	Magnetic text	—
Horizontal Deflection Angle	24 deg	Approximate
Cathode-to-All Capacitance	5 pF	—
Grid1-to-All Capacitance	8 pF	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Printing Array Width	2.75 in	—
Printing Array Height	0.16 in	—
Conductive Element Diameter	0.001 in	—
Conductive Element Spacing	0.004 in	Approximate

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	25000 V	—
Maximum Grid2 Voltage	700 V	—
Maximum Grid1 Negative Bias	155 V	—
Maximum Grid1 Negative Peak	200 V	—
Maximum Heater Voltage	6.9 V	—
Minimum Heater Voltage	5.7 V	—
Maximum Heater-Cathode Voltage	200 V	EitherPolarity
Anode Voltage	20000 V	GridDrive
Grid2 Voltage	300 V	GridDrive
Grid1 Cutoff Voltage Minimum	-77 V	—
Grid1 Cutoff Voltage Maximum	-40 V	—
Focusing Coil Current	70 mA	±10mA

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker