

ELECTRONIC TUBE REFERENCE

SC3377

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

High-writing-rate instrument CRT with electrostatic focusing, deflection acceleration, and clear faceplate. Its fast beam-writing capability suits transient recording and high-speed oscillographic 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	6600 V
Special-purpose cathode-ray tube; published ratings and construction data captured.	

High-writing-rate electrostatic-focus CRT with deflection acceleration and clear faceplate.



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	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Electrostatic charge printing	—



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	—
Deflection acceleration	Present	—
Deflection-factor uniformity	2 %	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum principal anode/accelerator voltage	6600 V	—
Anode3 voltage maximum	6600 V	—
Anode2 voltage maximum	2200 V	—
Anode2 input maximum	6.6 W	—
Heater-cathode voltage maximum	200 V	—
Peak anode2-to-deflection-plate voltage maximum	600 V	—
Post-deflection accelerator helix resistance maximum	600 Mohm	—
Typical focus-electrode voltage range	0 to 300 V	—
Grid1 circuit resistance maximum	1.5 Mohm	—
Deflection-circuit resistance maximum	1 Mohm	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	High-writing-rate electrostatic-focus CRT	—