

ELECTRONIC TUBE REFERENCE

SC3090

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Multi-electrode electrostatic-deflection CRT with post-deflection acceleration and precision deflection-factor control. Sylvania specifies approximately 10.5 kV capability for accurate specialized instrumentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.74 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	10500 V
Published ratings and characteristics promoted semantically from the approved source.	

Multi-electrode electrostatic-deflection CRT with post-deflection acceleration and precision deflection-factor control.



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	10500 V	—
Typical Anode Voltage	7500 V	—

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



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 method	Electrostatic	—
Post-deflection acceleration	Present	—
Deflection-factor uniformity	2 %	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum principal anode/accelerator voltage	10500 V	—
Anode3 voltage maximum	10500 V	—
Anode2 voltage maximum	3500 V	—
Anode3-to-anode2 voltage ratio maximum	4	—
Typical anode3 voltage	7500 V	—
Grid1 cutoff range	-45 to -80 V	—
Anode3 helix current maximum	30 uA	—
Grid1 circuit resistance maximum	1.5 Mohm	—
Deflection-circuit resistance maximum	1 Mohm	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Multi-electrode electrostatic-deflection CRT	—

TUBE TINKER

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