ELECTRONIC TUBE REFERENCE

SC2782

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch high-resolution photographic-recording CRT with magnetic focusing and deflection and an extremely fine-grain P11 screen. Sylvania designed it for precision photographic capture of detailed traces.

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 SC2782 is a 5-inch high-resolution photographic-recording CRT with magnetic focus and deflection and an extremely fine-grain P11 screen.

SOURCE OPERATING CONDITIONS

1950 Sylvania

SOURCE PDF

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	**P11**	—
Focusing Method	**Magnetic**	—
Deflecting Method	**Magnetic**	—

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1965 Sylvania Electronic Tubes Vol3

SOURCE PDF

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**	—
Deflection Angle	**50 deg**	Approximate
Phosphor	**Fine Grain Aluminized P11 text**	—
Fluorescence	**Blue text**	—
Persistence	**Short text**	—
Line Width	**0.001 in**	HighResolution

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	**25000 V**	—
Maximum Grid2 Voltage	**2500 V**	—
Maximum Grid1 Negative Bias	**150 V**	—
Maximum Heater-Cathode Voltage During Warmup	**450 V**	—
Maximum Heater-Cathode Voltage After Warmup	**165 V**	—
Anode Voltage	**20000 V**	PhotographicRecording
Grid2 Voltage	**2000 V**	PhotographicRecording
Grid1 Cutoff Voltage Minimum	**-77 V**	—
Grid1 Cutoff Voltage Maximum	**-33 V**	—
Focusing Coil Current	**100 mA**	Approximate
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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