

ELECTRONIC TUBE REFERENCE

SC3016

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Miniature 1-1/8-inch cathode-ray tube with electrostatic focusing and deflection and high deflection sensitivity. Its compact format is intended for small instrument and indicator displays.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 140 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 SC3016 is a miniature 1-1/8-inch CRT with electrostatic focus and deflection and high deflection sensitivity.



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

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	1.5 V	—
Heater Current	140 mA	—
Test Anode2 Voltage	1200 V	—
Grid Cutoff Voltage	-45 V	MaximumMagnitude
Focus Voltage Minimum	200 V	—
Focus Voltage Maximum	400 V	—
Deflection Factor Plates 1-2	124 V/in	±15Percent
Deflection Factor Plates 3-4	49 V/in	±15Percent
Maximum Line Width	0.4 mm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode2 Voltage	2750 V	—
Maximum Anode1 Voltage	1100 V	—
Maximum Grid Negative Bias	-200 V	—
Maximum Deflection Plate Voltage	550 V	—
Maximum Altitude	10000 ft	—

TUBE TINKER

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