



ELECTRONIC TUBE REFERENCE

SC3061P1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Ten-inch three-gun oscilloscope CRT with electrostatic focusing and deflection, P1 phosphor, and independent astigmatism control, enabling simultaneous presentation of three instrument traces.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	5500 V
<i>Published Sylvania special-purpose CRT ratings, focus/deflection conditions, capacitances, and operating data retained where legible.</i>	

10-inch three-gun electrostatic-focus/electrostatic-deflection oscilloscope CRT with P1 phosphor and independent astigmatism control.

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	1.8 A	—
Focusing method	Electrostatic	—
Deflection method	Electrostatic	—
Deflection-factor uniformity maximum	1.5 %	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum principal anode/accelerator voltage	5500 V	—
Anode voltage maximum	5500 V	—
Focus-electrode voltage maximum	3000 V	—
Heater-cathode voltage maximum heater negative	200 V	—
Heater-cathode voltage maximum heater positive	200 V	—
Grid1 circuit resistance maximum	1.5 Mohm	—
Deflection-circuit resistance maximum	1 Mohm	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	10-inch three-gun electrostatic-focus/electrostatic-deflection oscilloscope CRT	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Gun count	3	—
Construction	Monoaccelerator	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Phosphor	P1	—
Astigmatism control	Independent per gun	—

TUBE TINKER

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

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