



ELECTRONIC TUBE REFERENCE

SC3561P11

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

SC3561-family special-purpose CRT with electrostatic focusing and deflection and a P11 blue screen, supporting fast precision display, recording, character-writing, oscillographic, or electrostatic-printing applications.

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

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	5500 V
<i>Published Sylvania CRT maximum ratings and operating characteristics promoted/extracted from supplied source.</i>	

Sylvania SC3561P11 special-purpose CRT with electrostatic focus and electrostatic deflection; P11 blue. Published high-voltage ratings, focus/deflection data, capacitances, circuit limits, and typical operating conditions were extracted from the supplied datasheet.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
FocusingMethod	Electrostatic	—
DeflectionMethod	Electrostatic	—
PhosphorOrScreen	P11 blue	—
UsefulScreenOrScan	multi-gun	—
DeflectionFactorUniformityMaximum	1.5 %	—
InteractionFactorMaximum	0.00006 in/V	—
UsefulScanD1D2	7.5 in	—
UsefulScanD3D4	7.375 in	—
Grid1 To All Capacitance	8 pF	—
Cathode To All Capacitance	6 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeVoltageMaximum	5500 V	—
Grid1NegativeBiasMagnitudeMaximum	220 V	—
Grid1PositiveBiasMaximum	0 V	—
Grid1PositivePeakVoltageMaximum	2 V	—
Grid1CircuitResistanceMaximum	1.5 Mohm	—
HeaterCathodeVoltageMaximum	200 V	AfterWarmup
PeakVoltageAnodeToDeflectionPlate	550 V	—
Anode2VoltageMaximum	5500 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AstigmatismElectrodeVoltageMaximum	5500 V	—
FocusElectrodeVoltageMaximum	3000 V	—
PeakVoltageAnodeToDeflectionPlate	1500 V	—
Anode Voltage	5000 V	—
FocusElectrodeVoltage	850 to 1500 V	—
Grid1VoltageForCutoff	-50 to -100 V	—
DeflectionFactorD1D2	80 V/in	—
DeflectionFactorD3D4	80 V/in	—

TUBE TINKER

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

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