



ELECTRONIC TUBE REFERENCE

5AQP7B

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch special-purpose instrument CRT with electrostatic focusing and deflection and a P7 aluminized blue-white/yellow long-persistence screen. Its direct-view electrostatic beam system is suited to oscillographic and precision measurement displays.

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	4400 V
<i>Published CRT maximum ratings, capacitances, and typical operating conditions extracted from supplied Sylvania datasheet.</i>	

Sylvania 5-inch cathode-ray tube with electrostatic focus, electrostatic deflection, and P7 blue-white/yellow, long persistence, aluminized. Published electrical ratings, capacitances, and 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	—
Phosphor	P7 blue-white/yellow, long persistence, aluminized	—
MinimumUsefulScreen	4 x 4 in	—
LineWidthMaximum	0.03 in	—
PatternDistortionMaximum	1 %	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FinalAnodeVoltageMaximum	4400 V	—
FocusElectrodeVoltageMaximum	1650 V	—
FinalAnodeVoltage	2500 V	—
FocusElectrodeVoltageForFocus	0 to 300 V	—
GridVoltageForCutoff	-34 to -56 V	—
GridCircuitResistanceMaximum	1.5 Mohm	—
DeflectionFactorPlates1_2	40 to 50 V/in	—
DeflectionFactorPlates3_4	31.5 to 38.5 V/in	—
Anode2PowerInputMaximum	6 W	—
GridNegativeBiasMagnitudeMaximum	220 V	—
PeakVoltageAnode2ToDeflectionPlate	400 V	—

TUBE TINKER

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and their source documents.

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