



ELECTRONIC TUBE REFERENCE

16AOP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Sixteen-inch aluminized P4 picture tube with electrostatic focusing and magnetic deflection. The white medium-short-persistence screen and wide 114-degree deflection operate around 14 kV, providing a compact high-voltage direct-view television display.

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*No fixed ratings recorded.**Wide-angle television CRT electron-gun/display section.*

The Sylvania 16AOP4 is a 16-inch 114-degree aluminized P4 television CRT with bonded safety shield, electrostatic focus, and magnetic deflection.

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	600 mA	—
Focusing Method	Electrostatic text	—
Deflection Method	Magnetic text	—
Fluorescence	White text	—
Persistence	Medium Short text	—
Phosphor	Aluminized P4 text	—
Deflection Angle	114 deg	Diagonal
Light Transmittance	60 percent	Approximate

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	18000 V	GridDriveOrCathodeDrive
Minimum Anode Voltage	10000 V	GridDriveOrCathodeDrive
Focus Voltage Minimum	-550 V	GridDrive; Grid4
Focus Voltage Maximum	1100 V	GridDrive; Grid4
Maximum Grid2 Voltage	550 V	GridDrive
Anode Voltage	14000 V	GridDrive
Focus Voltage Minimum	0 V	GridDrive; Grid4
Focus Voltage Maximum	400 V	GridDrive; Grid4
Grid2 Voltage	300 V	GridDrive
Grid1 Cutoff Voltage Minimum	-70 V	GridDrive
Grid1 Cutoff Voltage Maximum	-33 V	GridDrive

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode Cutoff Voltage Minimum	31 V	CathodeDrive
Cathode Cutoff Voltage Maximum	57 V	CathodeDrive
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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