

Three-inch cathode-ray tube for oscilloscope and instrument display service, using electrostatic focusing and electrostatic deflection. Its P4 screen designation identifies the phosphor variant within this compact oscillographic family.

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

SECTION1 Cathode Ray
No fixed ratings recorded.
Published ratings and characteristics promoted semantically from the approved source.

Three-inch rectangular direct-view oscilloscope CRT with electrostatic focus and electrostatic deflection.



SOURCE OPERATING CONDITIONS

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
Phosphor	P4	—
Focusing Method	Electrostatic	—
Deflecting Method	Electrostatic	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Anode No. 2 Voltage	2000 V	—



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
Focusing method	1 code	Electrostatic
Deflection method	1 code	Electrostatic
Deflection factor D1-D2 minimum	146 V/in	—
Deflection factor D1-D2 maximum	198 V/in	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Deflection factor D3-D4 minimum	104 V/in	—
Deflection factor D3-D4 maximum	140 V/in	—
Useful screen / scan	1 code	1.5 x 3-inch rectangular direct-view screen
Phosphor designation	1 code	P4

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode No. 2 / accelerator voltage maximum	3000 V	—
Anode No. 2 / accelerator voltage	2000 V	—
Focusing electrode voltage maximum	1200 V	—
Focusing electrode voltage minimum	330 V	—
Focusing electrode voltage maximum	620 V	—
Grid No. 1 cutoff voltage minimum	-135 V	—
Grid No. 1 cutoff voltage maximum	-58 V	—
Peak heater-to-cathode voltage	140 V	—
Peak voltage between accelerator and any deflection plate	550 V	—
Grid No. 1 negative bias maximum	200 V	—

TUBE TINKER

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

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