

engineering data service

SYLVANIA 5DEP1 5DEP-*

CHARACTERISTICS

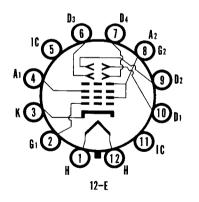
CHARACTERISTICS	
GENERAL DATA	
Focusing Method Electrostatic Deflection Method	
other screen phospors.	
1 11 1	
ELECTRICAL DATA	
Heater Voltage	ere
Grid to All Other Electrodes 6.0 $\mu\mu$ f	
Between Deflecting Plates 1-2 3.5 μμf	
Between Deflecting Plates 3-4 3.0 $\mu\mu f$ Deflecting Plate 1 ¹ to All	
Other Electrodes	
Other Electrodes 6.5 $\mu\mu f$	
Deflecting Plate 3 ¹ to All Other Electrodes 7.5 μμf	
Deflecting Plate 4^1 to All Other Electrodes	
MECHANICAL DATA	
MECHANICAL DATA	
Minimum Useful Screen Diameter	:S
Bulb	
Basing	
Basing	ds
MAXIMUM RATINGS (Absolute Maximum Values)	
	,
Anode No. 2 Voltage	
Grid Voltage	_
Negative Bias Value	
Positive Peak Value 2 Volts	
Peak Heater-Cathode Voltage	
Heater Negative with Respect to Cathode 140 Volts	
Heater Positive with Respect to Cathode	
Any Deflection Plate 550 Volts	
TYPICAL OPERATING CONDITIONS	
	dc
Anode No. 2 Voltage 2	dc
Deflecting Plates 1-26	dc/Inch
Spot Position (Undeflected) ⁸	Max.
CIRCUIT VALUES	
	ohms Max.

Deflection Circuit Resistance . . .

QUICK REFERENCE DATA

Oscilloscope Tube
5" Direct Viewed
Round Glass Type
Electrostatic Deflection
Electrostatic Focus
High Deflection Sensitivity





SYLVANIA ELECTRONIC TUBES

A Division of Sylvania Electric Products Inc.

PICTURE TUBE OPERATIONS SENECA FALLS, NEW YORK

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File Under
SPECIAL AND GENERAL PURPOSE
CATHODE RAY TUBES

5.0 Megohms Max.

NOTES:

- 1. Positive voltage on D1 (Pin No. 10) will move spot approximately in direction of Pin No. 4. Positive voltage on D3 (Pin No. 6) will move spot approximately in direction of Pin No. 1.
- 2. Brilliance and definition decrease with decreasing Anode No. 2 Voltages. In general, Anode No. 2 Voltage should not be less than 1000 volts for the Type 5DEP1 and not less than 1500 volts for the Types 5DEP2, 5DEP7, and 5DEP11.
- 3. Visual extinction of undeflected focused spot.
- 4. Angle between trace produced by Plates D1-D2 and the plane through the tube axis and Pin No. 4 does not exceed 10°.
- 5. Angle between D1-D2 trace and D3-D4 trace is $90^{\circ} \pm 1^{\circ}$.
- 6. Deflecting Plates 1-2 are nearer the screen.
- 7. Deflecting Plates 3-4 are nearer the base.
- 8. With the tube shielded and with all deflection plates connected to A2, the spot shall fall within a square, 10 mm on a side, centered with respect to the face and with the sides parallel to the deflection axes.

OUTLINE

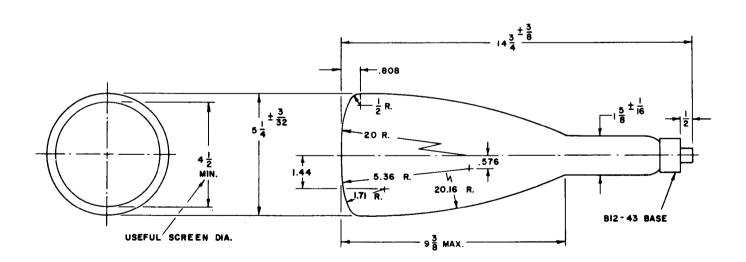


DIAGRAM NOTE:

1. Dimensions are in inches.