



SYLVANIA

engineering data service

SC-3093

DESCRIPTION

The Sylvania Type SC-3093 is a compact, 3" monoscope tube designed for use in conjunction with high speed electrostatic printing equipment.

It features a useful target area approximately 2 x 2", on which any pattern or up to 64 alpha numeric characters can be furnished. Artwork supplied on the target can be made according to individual customer's specifications.

CHARACTERISTICS

GENERAL DATA

Focusing Method Electrostatic
Deflecting Method Electrostatic

ELECTRICAL DATA

Heater Voltage 6.3 Volts
Heater Current $0.6 \pm 10\%$ Amperes

RATINGS

MAXIMUM RATINGS (Absolute Maximum Values)

All Voltages Measured with Respect to Cathode

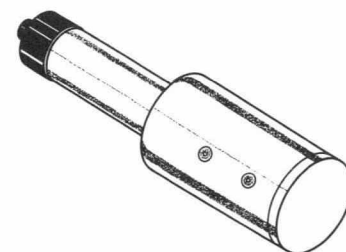
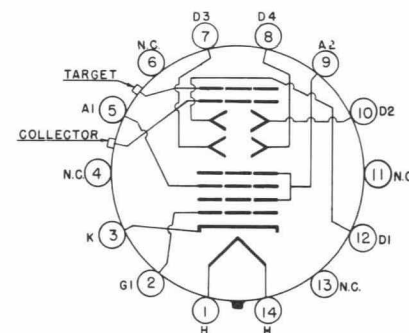
Collector	2500 Volts dc
Target	2500 Volts dc
Anode No. 1 (Focusing Electrode)	1000 Volts dc
Anode No. 2 (Accelerator)	2500 Volts dc
Negative Grid No. 1 (Control Grid)	200 Volts dc
Peak Heater Cathode Voltage	
Heater Negative with Respect to Cathode	200 Volts
Heater Positive with Respect to Cathode	200 Volts

TYPICAL OPERATING CONDITIONS

Cathode-to-Target Voltage	1100-1600 Volts
Collector-to-Target Voltage	+50 Volts
Anode No. 2-to-Target	+110 to +225 Volts
Anode No. 1-to-Cathode	21 to 38 % of E_{A2}
Deflection Factors:	
D3-D4	62-81 Volts dc/Inch/kv.
D1-D2	75-98 Volts dc/Inch/kv.

QUICK REFERENCE DATA

3" Diameter Monoscope
Round Glass Type
2 x 2" Target Plate
Electrostatic Focus
Electrostatic Deflection



SYLVANIA ELECTRIC
PRODUCTS INC.

Electronic Components Group
ELECTRONIC TUBE DIVISION
SENECA FALLS, NEW YORK

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PAGE 1 OF 2

File Under

SPECIAL AND GENERAL
PURPOSE CATHODE RAY TUBES

OUTLINE

