

CHARACTERISTICS

GENERAL DATA

Focusing Method	Magnetic			
Deflecting Method	Magnetic			
Deflection Angle (approx.)	70 Degrees			
Types*	5BCP1	5BCP4	5BCP7	5BCP11
Fluorescence	Green	White	Blue	Blue
Phosphorescence	—	—	Yellow	—
Persistence	Medium	Medium	Long	Short
Faceplate	Clear			

*In addition to the types shown, the 5BCP- can be supplied with several other screen phosphors.

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current	0.3 ± 10% Ampere
Direct Interelectrode Capacitances (approx.)	
Cathode to All Other Electrodes	3.7 μμf
Grid No. 1 to All Other Electrodes	3.5 μμf

MECHANICAL DATA

Minimum Useful Screen Diameter	4 1/4 Inches
Bulb Contact (Recessed Small Ball Cap)	J1-22
Base	E9-37
Basing ¹	9HD
Bulb Contact Alignment	Plane of J1-22 Contact Passes Halfway Between Pins No. 1 and No. 9. ± 10 Degrees
J1-22 Contact on Same Side as Pins No. 1 and No. 9	

RATINGS

MAXIMUM RATINGS (Absolute Maximum Values)

Anode Voltage	11,000 Volts dc
Anode Input	6 Watts
Grid No. 1 Voltage	
Negative Bias Value	220 Volts dc
Positive Bias Value	9 Volts dc
Positive Peak Value	2 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

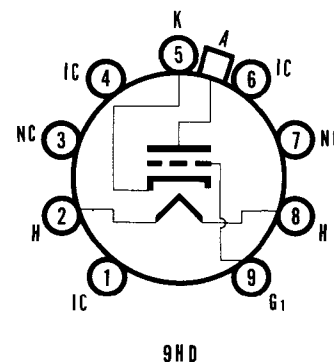
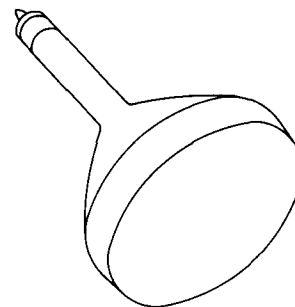
Anode Voltage	8,000 Volts	dc
Grid No. 1 Voltage ²	-25 to -75 Volts	dc
Focusing Coil Current (approx.) ³	56 to 84 Ma	dc
Line Width "A" at I _b = 200 μa ⁴	.011 Inches	Max.
Spot Position ⁵	1/4 Inch	

CIRCUIT VALUES

Grid No. 1 Circuit Resistance	1.5 Megohms	Max.
---	-------------	------

QUICK REFERENCE DATA

Special Purpose Tube
5" Direct Viewed
Round Glass Type
Magnetic Deflection
Magnetic Focus
7/8" Diameter Neck



SYLVANIA ELECTRONIC TUBES

A Division of
Sylvania Electric Products Inc.

PICTURE TUBE OPERATIONS
SENECA FALLS, NEW YORK

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA

NOVEMBER, 1958

1. Reference line is determined by the Point where leading edge of 1.640" reference line gauge No. 123 will stop.
2. Reference line is determined by the point where leading edge of a $4.625" \pm .002$ ring gauge will stop.