

CHARACTERISTICS

GENERAL DATA

Focusing Method	Electrostatic
Deflection Method	Magnetic
Deflection Angle (Approx.)	50 Degrees
Phosphor*	P4
Fluorescence	White
Phosphorescence	White
Persistence	Med. Short

*In addition to the phosphors shown the SC-3122 can be supplied with several other phosphors.

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current	$0.6 \pm 10\%$ Ampere
Direct Interelectrode Capacitances (Approx.)	
Cathode to All Other Electrodes	5 pf
Grid No. 1 to All Other Electrodes	6 pf

MECHANICAL DATA

Minimum Useful Screen Diameter	9 Inches
Bulb Contact (Recessed Small Cavity Cap)	J1-21
Base (Small Shell Duodecal 6-Pin)	B6-63
Basing	12M
Bulb Contact Aligns with Vacant Pin	
Position No. 3	± 10 Degrees

MAXIMUM RATINGS (Absolute Maximum Values)

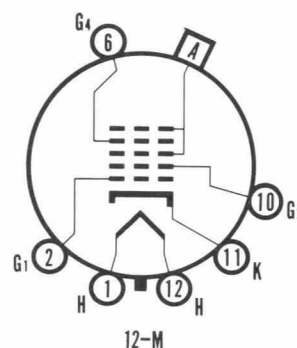
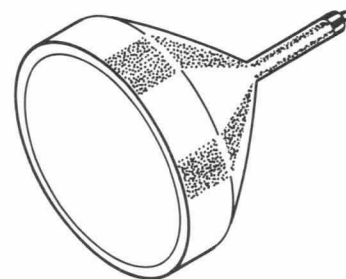
Anode Voltage	22,000 Volts	dc
Grid No. 4 Voltage (Focusing Electrode)	-550 to 1100 Volts	dc
Grid No. 2 Voltage	770 Volts	dc
Grid No. 1 Voltage		
Negative Bias Value	200 Volts	dc
Positive Bias Value ¹	0 Volt	dc
Positive Peak Value	0 Volt	
Peak Heater-Cathode Voltage		
Heater Negative with Respect to Cathode	200 Volts	dc
Heater Positive with Respect to Cathode	200 Volts	dc

TYPICAL OPERATING CONDITIONS

Anode Voltage ²	20,000 Volts	dc
Grid No. 4 Voltage for Focus ³	0 to 300 Volts	dc
Grid No. 2 Voltage	300 Volts	dc
Grid No. 1 Voltage for Cutoff ⁴	-28 to -72 Volts	dc
Resolution at $I_b = 50 \mu a$	700 Lines	Min.

QUICK REFERENCE DATA

Monitor Tube
Electrostatic Focus
Magnetic-Deflection
10" Diameter
Flat Face



SYLVANIA ELECTRIC
PRODUCTS INC.

Electronic Components Group
ELECTRONIC TUBE DIVISION
SENECA FALLS, NEW YORK

A Technical Publication

MAY, 1965

PAGE 1 OF 2

File Under

SPECIAL AND GENERAL
PURPOSE CATHODE RAY TUBES

Grid No. 1 Circuit Resistance 1.5 Megohms Max.

1. Reference line is the point where a $1.500'' \pm .003''$ diameter ring gauge 2'' long will stop against the bulb.
— .000''
2. With external conductive coating, tube is designated as the SC3122P-A. Capacitance value will be between 500 pf and 2500 pf