

engineering data service

21DEP4

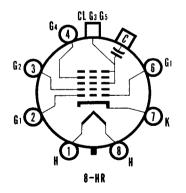
CHARACTERISTICS

GENERAL DATA	CIPMO I LOS		
Focusing Method Deflection Method Deflection Angles (appr	Electrostatic Magnetic		
Horizontal Diagonal Vertical Phosphor Fluorescence Persistence			
ELECTRICAL DATA			
Heater Voltage Heater Current Heater Warm-up Time ¹ Direct Interelectrode Ca	- 11	Max. Min.	
MECHANICAL DATA			
Base	Dimensions 1)		
RATINGS			
	(Absolute Maximum Values)	dc	
Grid No. 4 Voltage (Focusing Electrode	e)550 to +1100 Volts	de de	
Grid No. 1 Voltage Negative Bias Valu	e 154 Volts	dc	
Positive Peak Value Peak Heater-Cathode Ve	e	dc	
During Warm-t 15 Seconds After Equipment W	rup Period not to Exceed Yarm-up Period		
TYPICAL OPERATING	G CONDITIONS		
Anode Voltage Grid No. 4 Voltage for Grid No. 2 Voltage . Grid No. 1 Voltage requ	Focus 0 to 400 Volts	de de de de	
CIRCUIT VALUES			
	stance 1.5 Megohms I	Max.	

QUICK REFERENCE DATA

Television Picture Tube
21" Direct Viewed
Rectangular Glass Type
Lightweight Tube
Spherical Faceplate
Gray Filter Glass
Aluminized Screen
Electrostatic Focus
110° Magnetic Deflection
11/8" Neck Diameter
No Ion Trap
External Conductive Coating





SYLVANIA ELECTRIC PRODUCTS INC.

TELEVISION PICTURE TUBE DIVISION SENECA FALLS, NEW YORK

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA
DECEMBER, 1957

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NOTES:

- 1. Heater warm-up time is defined as the time required for the voltage across the heater to reach 80% of the rated heater voltage after applying four (4) times rated heater voltage to a circuit consisting of the tube heater in series with a resistance equal to three (3) times the rated heater voltage divided by the rated heater current.
- 2. External conductive coating must be grounded.
- 3. Visual extinction of focused raster. Extinction of stationary focused spot will require that these values be about 5 volts more negative.

WARNING:

X-ray radiation shielding may be necessary to protect against possible danger of personal injury from prolonged exposure at close range if this tube is operated at higher that the manufacturer's Maximum Rated Anode Voltage or 16,000 volts, whichever is less.

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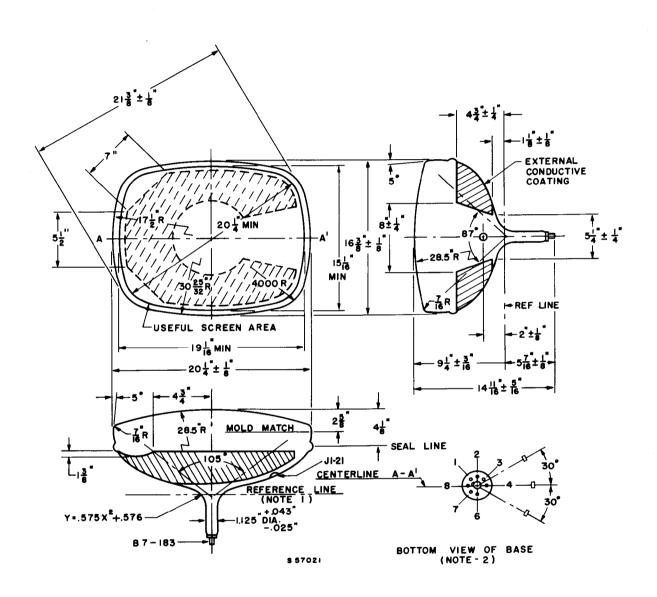


DIAGRAM NOTES:

- 1. Reference line is determined by plane C-C' of (JETEC No. 126) reference line gauge when the gauge is seated against the bulb.
- 2. Base pin No. 4 aligns with horizontal centerline of tube within 30°, and is on same side of tube as anode contact (J1-21).

A Technical Publication of SYLVANIA ELECTRIC PRODUCTS INC. EMPORIUM, PA.

