

CHARACTERISTICS

GENERAL DATA

Focusing Method	Self Focusing (Electrostatic)
Deflecting Method	Magnetic
Deflection Angles (approx.)	
Vertical	87 Degrees
Horizontal	105 Degrees
Diagonal	110 Degrees
Phosphor	P4
Fluorescence	White
Persistence	Short to Medium
Faceplate	Gray Filter Glass
Light Transmittance (approx.)	80 Percent

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current (approx.)	0.6 Ampere
Direct Interelectrode Capacitances (approx.)	
Cathode to All Other Electrodes	4 $\mu\mu\text{f}$
Grid No. 1 to All Other Electrodes	6 $\mu\mu\text{f}$

MECHANICAL DATA

Minimum Useful Screen Dimensions	7 $\frac{1}{2}$ x 5 $\frac{7}{8}$ Inches
Bulb Contact (Recessed Small Cavity Cap)	J1-21
Base	B6-185
Basing	7FG
Weight (approx.)	2 Pounds

RATINGS

MAXIMUM RATINGS (Absolute Maximum Values)

Anode Voltage	22,000 Volts	dc
Grid No. 2 (and Grid No. 4) Voltage	550 Volts	dc
Grid No. 1 Voltage		
Negative Bias Value	155 Volts	dc
Negative Peak Value	220 Volts	
Positive Bias Value	0 Volts	dc
Positive Peak Value	2 Volts	
Peak Heater-Cathode Voltage		
Heater Negative with Respect to Cathode		
During Warm-up Period not to Exceed 15 Seconds	450 Volts	
After Equipment Warm-up Period	200 Volts	
Heater Positive with Respect to Cathode	200 Volts	

TYPICAL OPERATING CONDITIONS

Anode Voltage	16,000 Volts	dc
Grid No. 2 (and Grid No. 4) Voltage	300 Volts	dc
Grid No. 1 Voltage Required for Cutoff ¹	-35 to -72 Volts	dc

CIRCUIT VALUES

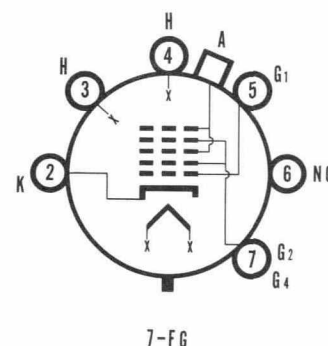
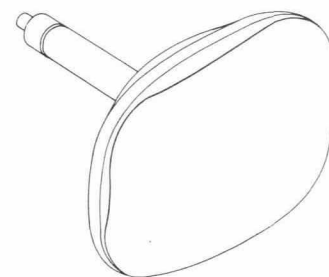
Grid No. 1 Circuit Resistance	1.5 Megohms Max.
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NOTE:

1. Visual extinction of raster.

QUICK REFERENCE DATA

Receiver Check Tube
8" Rectangular, All Glass
Self Focusing
(Electrostatic)
No Ion Trap
110° Magnetic Deflection
Gray Filter Glass



SYLVANIA ELECTRIC
PRODUCTS INC.

TELEVISION PICTURE TUBE
DIVISION

SENECA FALLS, NEW YORK

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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 than the manufacturer's Maximum Rated Anode Voltage or 16,000 volts, whichever is less.



1. Reference line is determined by the plane C-C' of JETEC No. 126 reference line gauge when the gauge is seated against the bulb.
2. Base Pin No. 7 aligns with horizontal centerline within 30° and is on same side as anode contact (J1-21).
3. Dimensions are in inches.