

CHARACTERISTICS

GENERAL DATA

Focusing Method	Self Focusing (Electrostatic)
Deflecting Method	Magnetic
Deflecting Angle (approx.)	53 Degrees
Phosphor	P4
Fluorescence	White
Persistence	Medium
Faceplate	Clear Glass

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current	0.6 Ampere
Direct Interelectrode Capacitances	
Cathode to All Other Electrodes	5 μ f
Grid No. 1 to All Other Electrodes	6 μ f

MECHANICAL DATA

Overall Length	10 $\frac{3}{8}$ $\pm$ $\frac{3}{8}$ "
Maximum Diameter	4 $\frac{15}{16}$ $\pm$ $\frac{3}{32}$ "
Minimum Useful Screen Diameter	4 $\frac{1}{4}$ "
Bulb Contact (Recessed Small Cavity Cap)	J1-21
Base (Small Shell Duodecal 5-Pin)	B5-57
Basing	12S

RATINGS

MAXIMUM RATINGS (Design Center Values)

Anode Voltage	18,000 Volts dc
Grid No. 2 (and Grid No. 4) Voltage	500 Volts dc
Grid No. 1 Voltage	
Negative Bias Value	125 Volts dc
Positive Bias Value	0 Volts dc
Positive Peak Value	2 Volts
Peak Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
During Warm-Up Not to Exceed 15 Seconds	410 Volts
After Equipment Warm-Up	180 Volts
Heater Positive with Respect to Cathode	180 Volts

TYPICAL OPERATING CONDITIONS

Anode Voltage	14,000 Volts dc
Grid No. 2 (and Grid No. 4) Voltage	300 Volts dc
Grid No. 1 Voltage for Cutoff ¹	-28 to -72 Volts dc

CIRCUIT VALUES

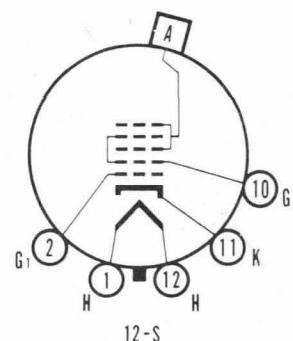
Grid No. 1 Circuit Resistance	1.5 Megohms Max.
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NOTE:

1. Visual Extinction of Raster.

QUICK REFERENCE DATA

Receiver Check Tube
5" Round, All Glass
Self Focusing (Electrostatic)
No Ion Trap
Magnetic Deflection



**SYLVANIA ELECTRIC
PRODUCTS INC.**

TELEVISION PICTURE TUBE
DIVISION

SENECA FALLS, NEW YORK

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5AXP4

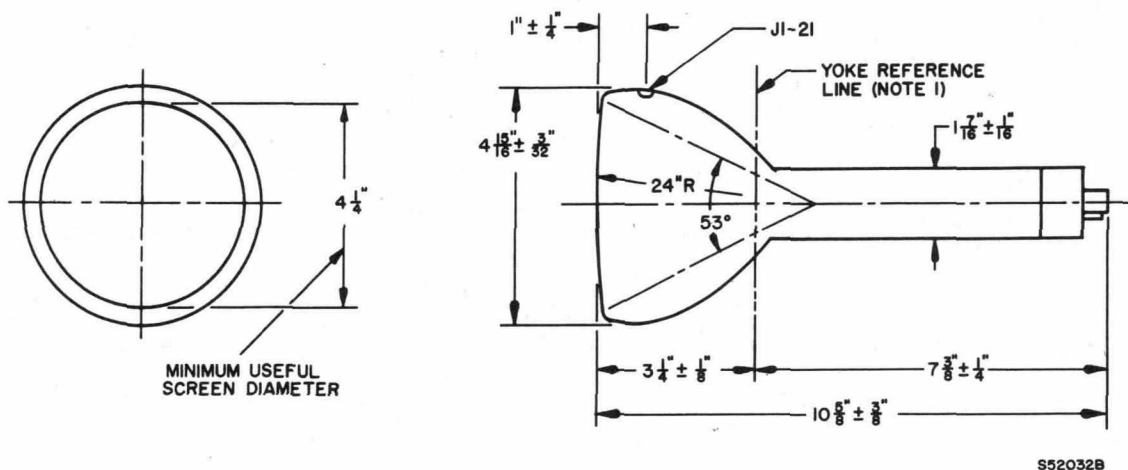


DIAGRAM NOTES:

1. The yoke reference line is determined by plane C-C' of JETEC gauge 116, with the gauge resting against the bulb cone.
2. Anode contact (J1-21) aligns with vacant base pin position No. 6 ± 30 degrees.

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