

**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 $\mu$ f
Grid No. 1 to All Other Electrodes . . . . .	6 $\mu$ f

**MECHANICAL DATA**

Overall Length . . . . .	10 $\frac{7}{8}$ $\pm$ $\frac{3}{8}$ "
Maximum Diameter . . . . .	4 $\frac{1}{16}$ $\pm$ $\frac{3}{32}$ "
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 d c
Grid No. 2 (and Grid No. 4) Voltage . . . . .	500 Volts d c
Grid No. 1 Voltage	
Negative Bias Value . . . . .	125 Volts d c
Positive Bias Value . . . . .	0 Volts d c
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 d c
Grid No. 2 (and Grid No. 4) Voltage . . . . .	300 Volts d c
Grid No. 1 Voltage for Cutoff <sup>1</sup> . . . . .	-28 to -72 Volts d c

**CIRCUIT VALUES**

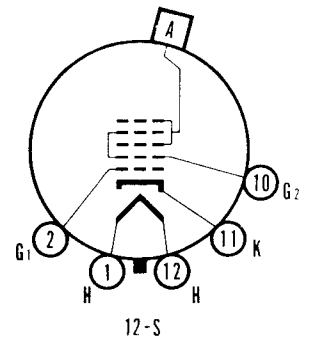
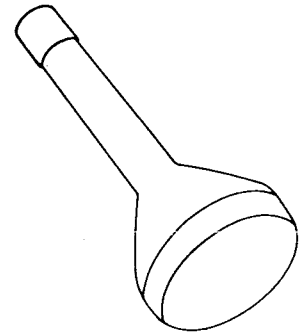
Grid No. 1 Circuit Resistance . . . . .	1.5 Megohms Max.
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**NOTE:**

1. Visual Extinction of Raster.

**QUICK REFERENCE DATA**

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



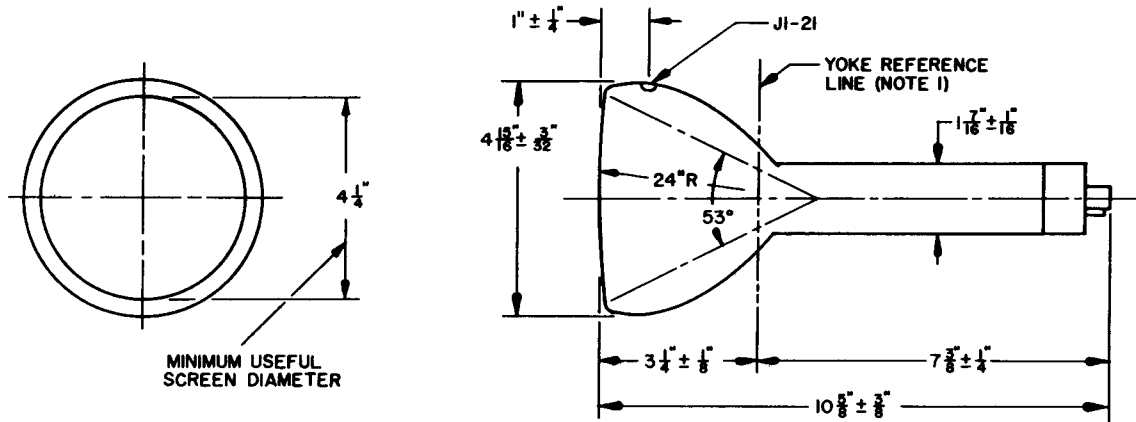
**SYLVANIA ELECTRIC PRODUCTS INC.**

**TELEVISION PICTURE TUBE DIVISION**

**SENECA FALLS, NEW YORK**

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SYLVANIA  
**5AXP4**



S52032B

**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  $\pm 30$  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.*