

CHARACTERISTICS

THE 8JP4 IS A DIRECT
VIEW RECEIVER CHECK
TUBE AND INCLUDES SUCH
FEATURES AS:

- A straight gun requiring no ion trap.

• Short neck.

• Aluminized screen

• A gray tinted face
affording approximately
80% light transmission.

- Rectangular glass type.

- Spherical face

• 110° deflection

- Self focus

- No outside conductive coating.

Heater Voltage	6.3 Volts
Heater Current	0.6 $\pm$ 5% Ampere
Direct Interelectrode Capacitances (Approx.)	
Cathode to All Other Electrodes.....	5 uuf
Grid No. 1 to All Other Electrodes.....	6 uuf
Ion Trap Magnet	None

Minimum Useful Screen Dimensions 7 1/2 x 5 7/8 Inches
Bulb Contact (Recessed Small Cavity Cap) J1-21
Base JETEC B7-183
Basing 8JL
J1-21 Contact Aligns with Pin Position No. 4 $\pm$ 30 Degrees
Bulb C67 1/2 Exp. 2

RATINGS

Anode Voltage (Note 1).....	20,000 Volts dc
Grid No. 4 Voltage (focusing electrode) -	500 to 1000 Volts dc
Grid No. 2 Voltage.....	500 Volts dc
Grid No. 1 Voltage	
Negative Bias Value	140 Volts dc
Positive Bias Value	0 Volts dc
Positive Peak Value	2 Volts
Peak Heater-Cathode Voltage (Note 2)	
Heater Negative with Respect to Cathode	
During Warm-up Period Not to exceed 15 Sec.	410 Volts dc
After Equipment Warm-up Period.....	180 Volts dc
Heater Positive with Respect to Cathode.....	180 Volts dc

Anode Voltage..... 16,000 Volts dc
Grid No. 2 Voltage..... 300 Volts dc
Grid No. 1 Voltage (Note 3)..... -35 to -72 Volts dc

Grid No. 1 Circuit resistance.....	1.5 Max. Megohm
External Conductive Coating to Anode	
Capacitance-	None uuf. Max.
	uuf. Min.

NOTES :

1. Anode Grid 5 and Grid No. 3, which are connected together within the tube, are referred to herein as anode.

2. Cathode should be returned to one side or to the midtap of the heater transformer winding.

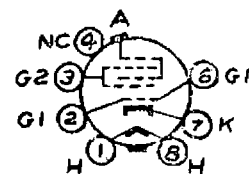
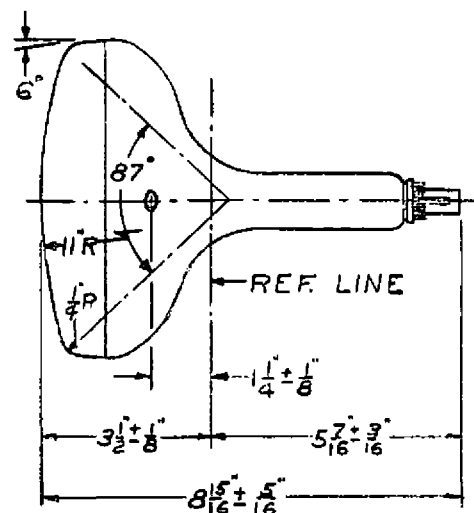
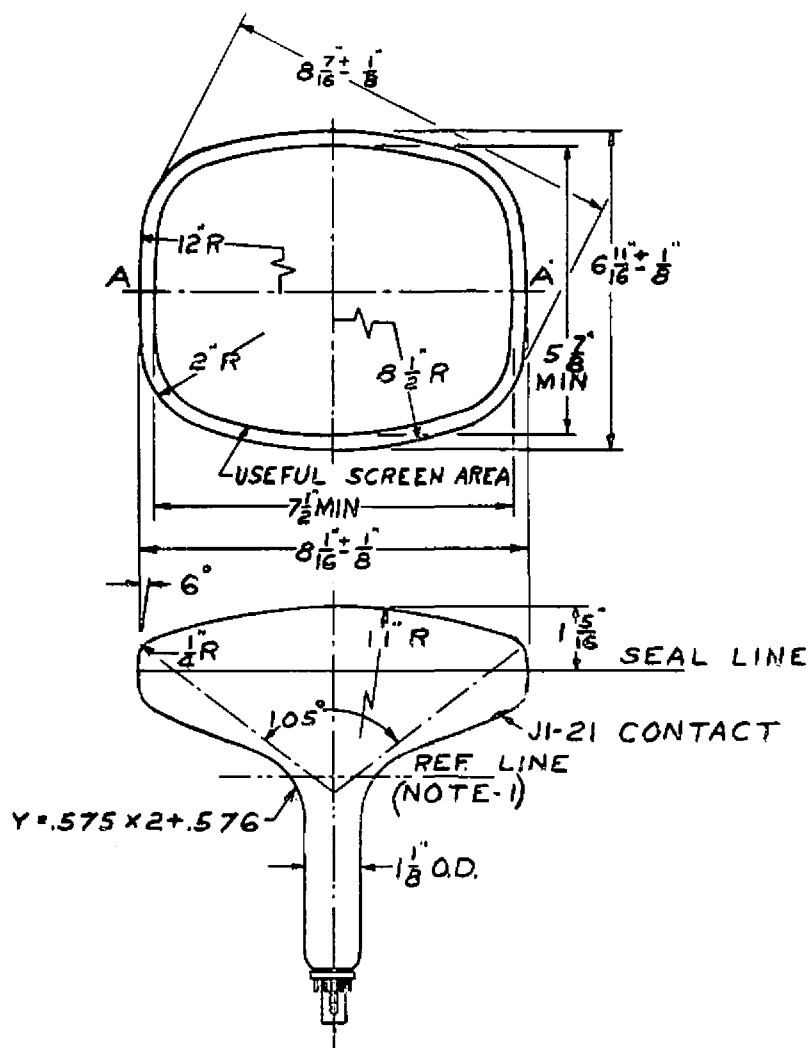
3. Visual extinction of focused raster. Extinction of focused spot will require that these values be increased approximately 5 volts.

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8JL
BASING DIAGRAM

DIAGRAM NOTES:

1. Reference line is determined by the plane C-C' of JETEC No. 126 reference gauge when the gauge is seated against the bulb.
2. Base Pin No. 4 aligns with horizontal centerline within 30° and is in contact with anode contact (J1-21).
3. Dimensions are in inches.

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.