



**TYPICAL OPERATING CONDITIONS**

Anode No. 2 Voltage <sup>2</sup> . . . . .	27,000	Volts	dc
Anode No. 1 Voltage for Focus . . . . .	4200 to 5400	Volts	dc
Grid No. 2 Voltage <sup>3</sup> . . . . .	200	Volts	dc
Grid No. 1 Voltage Required for Cutoff <sup>4</sup> . . . . .	-42 to -98	Volts	dc
Anode No. 2 Current			
5WP11 . . . . .	20	μa	dc
5WP15 . . . . .	100	μa	dc
Max. Anode No 1. Current			
5WP11 . . . . .	25	μa	dc
5WP15 . . . . .	150	μa	dc
Grid No. 2 Current	-15 to +15	μa	dc

**CIRCUIT VALUES**

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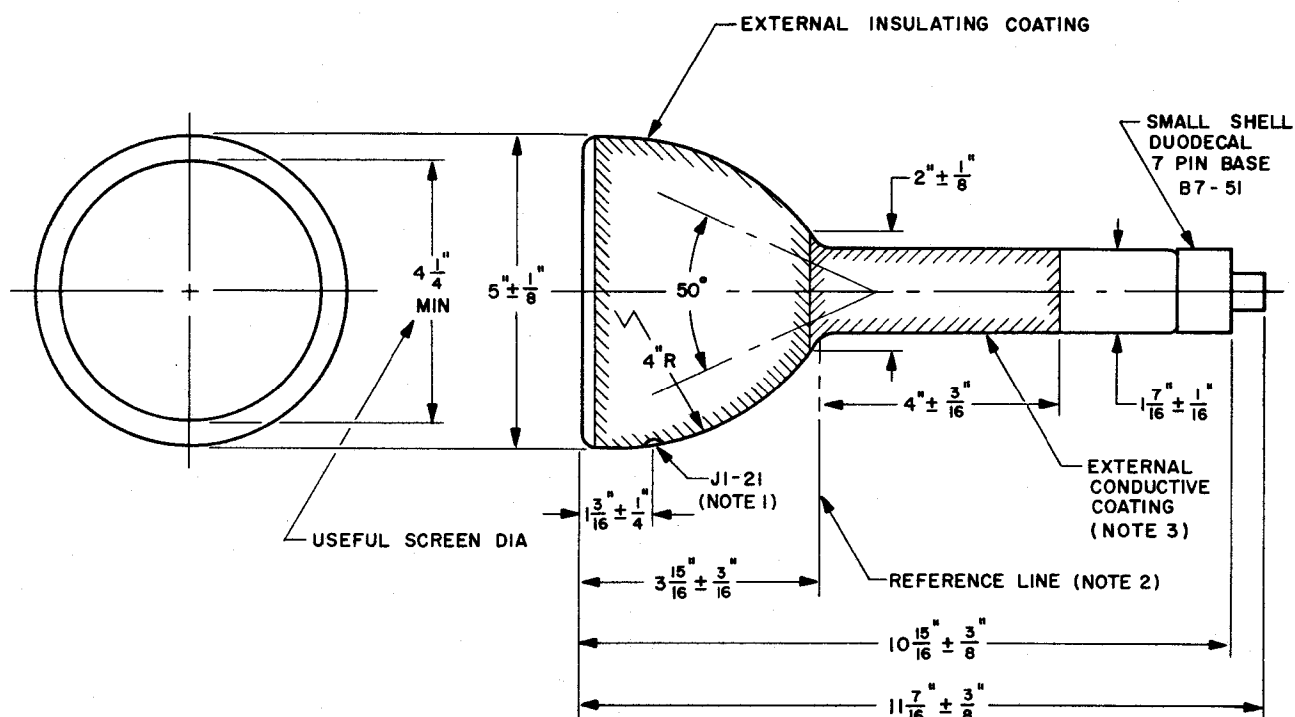
**NOTES:**

1. *External conductive neck coating must be grounded.*
2. *Brilliance and definition decrease with decreasing anode voltage. In general, the anode voltage should not be less than 15,000 volts.*
3. *Subject to variation of ±40% when Grid No. 1 Voltage cutoff is desired at the average cutoff value of -70 volts.*
4. *Visual extinction of undeflected focused spot.*

**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.

OUTLINE



858065

DIAGRAM NOTES:

1. The plane through the tube axis and vacant pin position No. 3 may vary from the plane through the axis and Anode No. 2 terminal by an angular tolerance (measured about the tube axis) of  $\pm 10^\circ$ .  
Anode No. 2 terminal is on same side as vacant pin position No. 3.
2. Reference line is determined by the plane C-C' of the reference line gauge (JEDEC No. G112) when the gauge is seated on the glass cone.
3. External conductive coating must be grounded.

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