

MECHANICAL DATA (Continued)

Angle between D1-D2 and D3-D4 traces	90 ± 1 Degree
Angle between D1-D2 trace and major axis of tube face	0 ± 1½ Degrees
Deflection Plates	
D1 and D2 are nearer to the tube face	
D3 and D4 are nearer the base	

RATINGS

MAXIMUM RATINGS (Absolute Maximum Values)

Anode No. 2 Voltage	2750 Volts dc
Anode No. 2 Input	6.0 Watts
Anode No. 1 Voltage (Focusing Electrode)	1100 Volts dc
Grid No. 1 Voltage	
Negative Bias Value	200 Volts dc
Positive Bias Value	0 Volts dc
Positive Peak Value	2 Volts
Peak Voltage between Anode No. 2 and Any Deflection Plate	550 Volts
Altitude	35,000 Feet

TYPICAL OPERATING CONDITIONS

Anode No. 2 Voltage	2000 Volts dc
Anode No. 1 Voltage for Focus	400 to 700 Volts dc
Grid No. 1 Voltage Required for Cutoff ¹	-38 to -67½ Volts dc
Deflection Factors	
Deflection Plates 1-2	68 to 92 Volts dc/Inch
Deflection Plates 3-4	28 to 38 Volts dc/Inch
Spot Position (Undelected, Focused) ²	Within a 15 mm Square
P1 Light Output ⁴	20 Ft. L. Min.
Modulation ⁵	38 Volts dc Max.
Line Width A ⁶	0.65 mm Max.

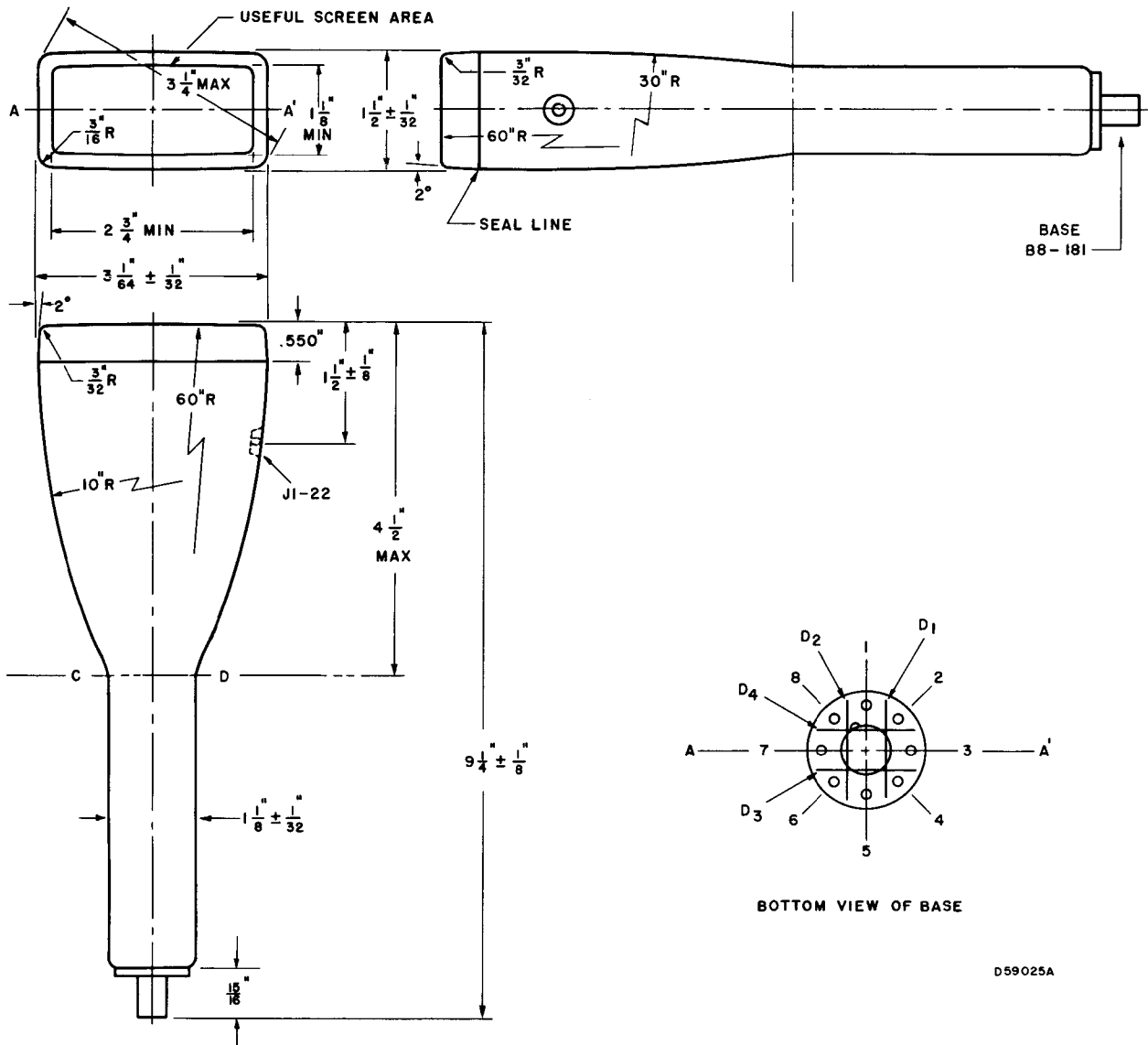
CIRCUIT VALUES

Grid No. 1 Circuit Resistance	1.5 Megohms Max.
Deflection Circuit Resistance ³	1.0 Megohms Max.

NOTES:

1. Visual extinction of undeflected focused spot.
2. With the tube shielded and with the deflection plates connected to Anode No. 2. The square shall be centered on the tube face with its sides parallel to the deflection axes.
3. It is recommended that the deflecting electrode circuit resistances be approximately equal.
4. Raster size 1½" x 1-9/16".
5. Measured at 20 Ft. L. on a raster 1½" x 1-9/16".
6. Measured by compressed raster method starting with conditions of Note 5.

OUTLINE



D59025A