GENERAL DATA

Focusing Method .................................. Electrostatic
Deflecting Method .................................. Electrostatic
Phosphor ............................................ P1
Fluorescence ........................................ Green
Persistence .......................................... Medium
Faceplate ............................................. Clear

ELECTRICAL DATA

Heater Voltage ...................................... 6.3 Volts
Heater Current (approx.) ......................... 0.6 Ampere
Direct Interelectrode Capacitances (approx.)
   Cathode to All Other Electrodes ............... 5.5 µF
   Grid to All Other Electrodes .................. 8.0 µF
   Between Deflecting Plates 1-2 ................ 0.6 µF
   Between Deflecting Plates 3-4 ............... 1.1 µF
   Deflecting Plate 1 to All Other Electrodes 8.0 µF
      Except DP2 .................................
   Deflecting Plate 2 to All Other Electrodes 4.6 µF
      Except DP1 .................................
   Deflecting Plate 3 to All Other Electrodes 7.5 µF
      Except DP4 .................................
   Deflecting Plate 4 to All Other Electrodes 6.0 µF
      Except DP3 .................................

MECHANICAL DATA

Minimum Useful Screen Diameter .............. 13\(\frac{3}{4}\) Inches
Base .............................................. Small Shell Magnal 11-Pin
Basing ............................................. 11L

RATINGS

MAXIMUM RATINGS (Absolute Values)

Anode No. 2 Voltage ................................ 1,100 Volts dc
Anode No. 1 Voltage ................................ 550 Volts dc
Grid Voltage
   Negative Value ................................ 125 Volts
   Positive Value ................................ 0 Volts
Peak Heater-Cathode Voltage
   Heater Negative with Respect to Cathode .... 125 Volts
   Heater Positive with Respect to Cathode .... 10 Volts
Peak Voltage Between Anode No. 2
   And any Deflection Plate ....................... 660 Volts

RECOMMENDED OPERATING CONDITIONS

Anode No. 2 Voltage\(^2\) ......................... 1,000 Volts dc
Anode No. 1 Voltage for Focus .................. 137 to 300 Volts dc
Grid Voltage Required for Cutoff\(^3\) .......... \(-30\) to \(-90\) Volts dc
Deflection Factor
   Deflecting Plates 1-2\(^4\) ..................... 230 Volts dc/inch
   Deflecting Plates 3-4\(^5\) ..................... 196 Volts dc/inch

CIRCUIT VALUES

Grid Circuit Resistance ................................. 1.5 Megohms Max.
Deflection Circuit Resistance ...................... 5.0 Megohms Max.
NOTES:

1. Deflecting Plate 1 is Pin No. 3
   Deflecting Plate 2 is Pin No. 8
   Deflecting Plate 3 is Pin No. 9
   Deflecting Plate 4 is Pin No. 6

2. Brilliance and definition decrease with decreasing Anode No. 2 Voltage. In general, Anode No. 2 Voltage should not be less than 500 volts.

3. Visual extinction of undeflected focused spot.

4. Deflecting Plates 1-2 are nearer the screen.

5. Deflecting Plates 3-4 are nearer the base.