**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 Inter-electrode Capacitances (approx.)**:
  - Cathode to All Other Electrodes: 8.0 µF
  - Grid to All Other Electrodes: 8.5 µF
  - Between Deflecting Plates 1-2': 2.0 µF
  - Between Deflecting Plates 3-4': 2.0 µF
  - Deflecting Plate 1 to All Other Electrodes (except DP2): 6.0 µF
  - Deflecting Plate 2 to All Other Electrodes (except DP1): 5.0 µF
  - Deflecting Plate 3 to All Other Electrodes (except DP4): 4.0 µF
  - Deflecting Plate 4 to All Other Electrodes (except DP3): 6.0 µF

**MECHANICAL DATA**

- **Minimum Useful Screen Diameter**: 2 3/4 Inches
- **Base**: Medium Shell Diheptal 12-Pin
- **Basing**: 14G

**RATINGS**

**MAXIMUM RATINGS (Absolute Values)**

- **Anode No. 2 Voltage**: 2,200 Volts dc
- **Anode No. 1 Voltage**: 1,100 Volts dc
- **Grid Voltage**
  - Negative Value: 200 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**: 550 Volts

**RECOMMENDED OPERATING CONDITIONS**

- **Anode No. 2 Voltage**: 2,000 Volts dc
- **Anode No. 1 Voltage for Focus**: 400 to 690 Volts dc
- **Grid Voltage Required for Cutoff**
  - Negative: -30 to -90 Volts dc
- **Deflection Factor**
  - Deflecting Plates 1-2': 200 Volts dc/Inch
  - Deflecting Plates 3-4': 148 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. 11
   Deflecting Plate 2 is Pin No. 10
   Deflecting Plate 3 is Pin No. 7
   Deflecting Plate 4 is Pin No. 8

2. Brilliance and definition decrease with decreasing Anode No. 2 Voltage. In general, Anode No. 2 Voltage should not be less than 1500 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.