CHARACTERISTICS

GENERAL DATA
Focusing Method ........................................ Magnetic
Deflecting Method ........................................ Magnetic
Deflecting Angle (approx.) ............................. 52 Degrees
Phosphor ...................................................... P11
Fluorescence ............................................... Blue
Persistence .................................................. Short
Faceplate .................................................... Gray Filter Glass

ELECTRICAL DATA
Heater Voltage ........................................... 6.3 Volts
Heater Current ............................................. 0.6 Ampere
Direct Interelectrode Capacitances (approx.)
Cathode to All Other Electrodes .......................... 5 µF
Grid to All Other Electrodes .............................. 6 µF
External Conductive Coating to Anode ................. 1500 µF Max.
500 µF Min.

MECHANICAL DATA
Minimum Useful Screen Diameter ...................... 9½ Inches
Bulb Contact (Recessed Small Cavity Cap) ............ J1-21
Base (Small Shell Duodecal 5-Pin) ...................... B5-57
Basing ....................................................... 12G
Bulb Contact Aligns with Vacant Pin Position No. 3 ... ±30 Degrees

RATINGS

MAXIMUM RATINGS (Design Center Values)
Anode Voltage .............................................. 25,000 Volts d-c
Grid Voltage
Negative Bias Value ...................................... 350 Volts d-c
Positive Bias Value ...................................... 0 Volts d-c
Positive Peak Value ..................................... 2 Volts
Peak Heater-Cathode Voltage
Heater Negative with Respect to Cathode During Warm-Up Period Not to Exceed
15 Seconds ................................................. 410 Volts
After Equipment Warm-Up Period ..................... 150 Volts
Heater Positive with Respect to Cathode .............. 150 Volts

RECOMMENDED OPERATING CONDITIONS
Anode Voltage .............................................. 18,000 Volts d-c
Grid Voltage ............................................... -65 to -125 Volts d-c
Focusing Coil Current (approx.) .......................... 110 Ma d-c

CIRCUIT VALUES
Grid No. 1 Circuit Resistance .......................... 1.5 Megohms Max.

NOTES:
1. Visual extinction of undeflected focused spot.
2. For JETEC focusing 109 or equivalent, three and one quarter inches from reference line.
DIAGRAM NOTES:
1. Reference line is determined by position where JETEC reference line gauge No. 112 will rest on the bulb cone.

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.