ELECTRICAL DATA
Deflecting Method ............................................ Magnetic
Focusing Method ................................................ Magnetic
Deflection Angles, approximate
   Horizontal ................................................. 65 Degrees
   Vertical .................................................. 50 Degrees
   Diagonal .................................................... 70 Degrees
Direct Inter electrode Capacitances
   Cathode to all other electrodes, approximate ... 5 μf
   Grid #1 to all other electrodes, approximate .... 6 μf
   External Conductive Coating to Anode .............. 1500 max. μf
                                                  750 min. μf
Heater Current at 6.3 volts ............................... 600 ± 10% Ma
Faceplate
   Light Transmission, Approximate ............ 72 percent

MECHANICAL DATA
Overall Length ............................................ 19 1/4 ± 1/8 inches
Greatest Diameter of Tube ................................ 16 1/2 ± 1/8 inches
Greatest Dimensions of Tube
   Diagonal ............................................... 16 1/4 ± 1/4 inches
   Width .................................................. 15 1/2 ± 1/4 inches
   Height ................................................ 12 1/4 ± 1/4 inches
Minimum Useful Screen Dimensions (Projected)
   Diagonal ............................................... 15 1/4 inches
   Horizontal axis ...................................... 14 1/4 inches
   Vertical axis ....................................... 10 1/2 inches
Neck Length ................................................ 7 1/2 ± 3/16 inches
Bulb Contact ............................................. J1-21
Base ....................................................... B5-57
Basing ...................................................... 12N
Bulb Contact Alignment
   J1-21 contact aligns with pin position #6 ± 30 Degrees
Base Alignment
   Pin #6 aligns with horizontal picture axis ± 30 Degrees

RATINGS (Continued)
Maximum Heater-Cathode Voltage
   Heater negative with respect to cathode
   During warm-up period not to exceed 15
   15 seconds .................................................. 410 Volts
   After equipment warm-up period ...................... 180 Volts

TYPICAL OPERATING CONDITIONS
GRID DRIVE SERVICE
Unless otherwise specified, all voltage values are positive with respect to cathode.
Anode Voltage .............................................. 5000 Volts DC
Grid #2 Voltage ............................................ 300 Volts DC
Grid #1 Voltage (Note 1) ................................ -28 to -72 Volts DC
Focusing Coil Current (Note 2) ................................ 60 Ma DC

MAXIMUM CIRCUIT VALUES
Maximum Grid #1 Circuit Resistance .................. 1.5 Megohms

BASE CONNECTIONS
Pin Connections
   Pin 1: Heater                                Pin 11: Cathode
   Pin 2: Grid #1                               Pin 12: Heater
   Pin 10: Grid #2                              Bulb Contact: Anode

from JEDEC release #3047, Nov. 28, 1960
NOTE 1: The plane through the tube axis and Pin No. 6 may vary from the plane through the tube axis and cap by angular tolerance (measured about the tube axis) of ±30°. Cap is on same side as Pin No. 6.

NOTE 2: With tube neck inserted through flared end of reference-line gauge (JETEC No. 110) and with tube seated in gauge, the reference line is determined by the intersection of the plane CC' of the gauge with the glass funnel.

NOTE 3: Socket for this base should not be rigidly mounted; it should have flexible leads and be allowed to move freely. Bottom circumference of base shell will fall within a circle concentric with bulb axis and having a diameter of 2½".