NO ION-TRAP MAGNET REQUIRED

RECTANGULAR GLASS TYPE    ALUMINIZED SCREEN
LOW-VOLTAGE ELECTROSTATIC FOCUS    110° MAGNETIC DEFLECTION

Electrical:
Direct Interelectrode Capacitances:
   Cathode to all other electrodes.  5 pf
   Grid No.1 to all other electrodes.  6 pf
   External conductive coating to anode. \{2500 max. pf
                                              \1700 min. pf
Heater Current at 6.3 volts.  600 ± 30 ma
Heater Warm-up Time (Average). 11 seconds
Electron Gun. Type Requiring No Ion-Trap Magnet

Optical:
Phosphor (For curves, see front of this Section). P4—Sulfide Type, Aluminized
Faceplate. Filterglass
Light transmission (Approx.). 74%

Mechanical:
Weight (Approx.). 26-1/2 lbs
Overall Length. 14.812" ± .312"
Neck Length. 4.375" ± .125"
Projected Area of Screen. 332 sq. in.

External Conductive Coating:
Type. Modified-Band
Contact area for grounding. Near Reference Line

For Additional Information on Coatings and Dimensions:
See Picture-Tube Dimensional-Outlines and Bulb J192 C/D
sheets at front of this section.

Cap. Recessed Small Cavity (JEDEC No.J1-21)
Base. Small-Button Neoeightar 7-Pin,
      Arrangement 1, (JEDEC No.B7-208)

Basing Designation for BOTTOM VIEW. 8KW

Pin 1—Heater
Pin 3—Grid No.1
Pin 4—Grid No.4
Pin 6—Grid No.2
Pin 7—Cathode
Pin 8—Heater
Cap—Anode (Grid No.3,
      Grid No.5, Screen,
      Collector)
C—External Conductive
    Coating

Maximum and Minimum Ratings, Design-Maximum Values:
Unless otherwise specified, voltage values are positive with respect to cathode

Anode Voltage. 20000 max. volts
Grid-No.4 (Focusing) Voltage:
   Positive value. 1100 max. volts
   Negative value. 550 max. volts
Grid-No.2 Voltage .................. 550 max. volts
Grid-No.1 Voltage:
Negative peak value .................. 220 max. volts
Negative bias value .................. 154 max. volts
Positive bias value .................. 0 max. volts
Positive peak value .................. 2 max. volts
Heater Voltage ...................... 6.9 max. volts
                  5.7 min. volts
Peak Heater-Cathode Voltage:
  Heater negative with respect to cathode:
    During equipment warm-up period  .  450 max. volts
    not exceeding 15 seconds          .
    After equipment warm-up period    .  200 max. volts
  Heater positive with respect to cathode .  200 max. volts

Typical Operating Conditions for Cathode-Drive Service:

Unless otherwise specified, voltage values are positive with respect to grid No.1

Anode Voltage ....................... 16000 volts
Grid-No.4 Voltage ................... 200 volts
Grid-No.2 Voltage ................... 400 volts
Cathode Voltage for visual extinction of focused raster .................. 42 to 78 volts

Maximum Circuit Value:
Grid-No.1 Circuit Resistance ........ 1.5 max. megohms

For X-radiation shielding considerations, see sheet X-RADIATION PRECAUTIONS FOR CATHODE-RAY TUBES
At front of this section