Picture Tube

RECTANGULAR GLASS TYPE
MAGNETIC FOCUS
ALUMINIZED SCREEN
90° MAGNETIC DEFLECTION

Electrical:
Heater Current at 6.3 volts.............. 600 ± 10% ma
Direct interelectrode Capacitances:
  Grid No.1 to all other electrodes......... 6 pf
  Cathode to all other electrodes.......... 5 pf
  External conductive coating to anode ... \{2500 max. pf
                             \{2000 min. pf
Electron Gun................................ Type Requiring No
                                                   Ion-Trap Magnet

Optical:
Faceplate, Spherical ..................... Filterglass Light transmission (Approx.) ................. 75%
Phosphor (For curves, see front of this section) P4—Sulfide Type, Aluminized

Mechanical:
Operating Position........................ Any
Weight (Approx.)............................ 35 lbs
Overall Length................................ 21-1/8" ± 3/8"
Neck Length................................. 7-1/2" ± 3/16"
Projected Area of Screen .................. 332 sq. in.
External Conductive Coating:
  Type........................................ Regular-Band
  Contact area for grounding................ Near Reference Line
For Additional Information on Coatings, Dimensions, and Deflection Angles:
  See Picture-Tube Dimensional-Outlines and Bulb J192 A/B sheets at the front of this section
Cap. .................................... Recessed Small Cavity (JEDEC No.J1-21)
Base ...................................... Small-Shell Duodecal 5-Pin (JEDEC Group 4, No.B5-57)
Basing Designation for BOTTOM VIEW ........ 12N

Maximum Ratings, Design-Maximum Values:
Anode Voltage.............................. 22000 max. volts
Grid-No.2 Voltage.......................... 550 max. volts
Grid-No.1 Voltage:
  Negative peak value..................... 220 max. volts
  Negative bias value..................... 155 max. volts
  Positive bias value..................... 0 max. volts
  Positive peak value..................... 2 max. volts

Peak Heater-Cathode Voltage:
  Heater negative with respect to cathode:
    During equipment warm-up period
      not exceeding 15 seconds................ 450 max. volts
    After equipment warm-up period ......... 200 max. volts
    Heater positive with respect to cathode: 200 max. volts

Typical Operating Conditions:

  Grid-No.1 Voltage for
    visual extinction of
  focused raster....................... -28 to -72 volts

With anode voltage of
  and grid-No.2 voltage of
    16000 volts
    300 volts

Maximum Circuit Values:

  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