FILLED-RIM TYPE

110° MAGNETIC DEFLECTION INTERMEDIATE-GRID-No.2 VOLTAGE

Direct Interelectrode Capacitances
Cathode to all other electrodes... 5 pF
Grid No. 1 to all other electrodes... 6 pF
External conductive coating to anode. 500 min—750 max pF
Heater Current at 6.3 V. 450 ± 20 mA
Heater Warm-Up Time (Average). 11 s
Electron Gun. Type Requiring No Ion-Trap Magnet

OPTICAL
Phosphor. P4—Sulfide Type, Aluminized
Faceplate. Filterglass
Light transmission at center (Approx.) 52 %

MECHANICAL
Weight (Approx.) 5 lb
Overall Length 8.785 ± 0.250 in
Neck Length 4.125 ± 0.125 in
Projected Area of Screen 60 sq in

External Conductive Coating
Type (See CRT OUTLINES at front of this section) Regular-Band
Contact area for grounding Near Reference Line
Cap. Recessed Small Cavity (JEDEC No. J1-21)
Base Small-Button Neoeightar 7-Pin, Arrangement 1, (JEDEC No. B7-208)

TERMINAL DIAGRAM (Bottom View)

Anode Voltage... 8000 min—15000 max V
Grid-No.4 Voltage
Positive value 1100 max V
Negative value 550 max V
Grid-No.2 Voltage 100 min—250 max V
Cathode Voltage
Negative peak value 220 max V
Negative bias value 155 max V
Positive bias value 0 max V
Positive peak value 2 max V
Heater Voltage 5.7 min—6.9 max V
Peak Heater-Cathode Voltage

Heater negative with respect to cathode:
During equipment warm-up period ≤ 15 s. .... 450 max V
After equipment warm-up period .............. 300 max V

Heater positive with respect to cathode:
Combined AC & DC voltage. .................. 200 max V
DC component. ......................... 100 max V

TYPICAL OPERATING CONDITIONS FOR CATHODE-DRIVE SERVICE

Voltages are positive with respect to grid No.1
Anode Voltage ................................ 11000 V
Grid-No.4 Voltage .......................... 0 V
Grid-No.2 Voltage .......................... 150 V
Cathode Voltage ........................... 31 to 49 V

For visual extinction of focused raster

MAXIMUM CIRCUIT VALUE

Grid-No.1 Circuit Resistance ................ 1.5 max MΩ

* Includes implosion protection hardware.

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

DIMENSIONAL OUTLINE

MINIMUM SCREEN
DIAGONAL 10.250
GREATEST WIDTH 9.000
GREATEST HEIGHT 7.062

SHELL OPENING 9.250 MIN.

BASE JEDEC NO. 87-208

REFERENCE LINE DETERMINED BY GAUGE
JEDEC NO. 9-126

DATA
RADIO CORPORATION OF AMERICA
Electronic Components and Devices
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