

Picture Tube

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 ^a	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
For curves, see front of this section	
Faceplate.	Filterglass
Light transmission at center (Approx.)	52 %

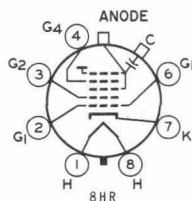
MECHANICAL

Weight (Approx.)	5 lb
Overall Length	8.785 ± .250 in
Neck Length	4.125 ± .125 in
Projected Area of Screen	60 sq in
External Conductive Coating	

Type (see CRT OUTLINES 1 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.87-208)

TERMINAL DIAGRAM (Bottom View)

- Pin 1—Heater
- Pin 2—Grid No.1
- Pin 3—Grid No.2
- Pin 4—Grid No.4
- Pin 6—Grid No.1
- 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

Voltages are positive with respect to cathode

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



11GP4

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 M Ω

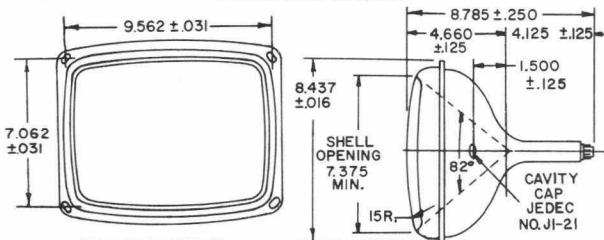
^a Includes implosion protection hardware.

For X-radiation shielding considerations, see sheet

X-RADIATION PRECAUTIONS FOR CATHODE-RAY TUBES

at front of this section

DIMENSIONAL OUTLINE

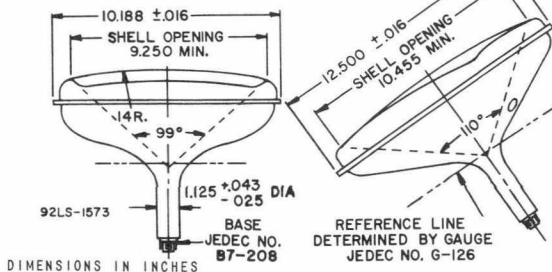


MINIMUM SCREEN

DIAGONAL 10.250

GREATEST WIDTH 9.000

GREATEST HEIGHT 7.062



DIMENSIONS IN INCHES

DATA

RADIO CORPORATION OF AMERICA

Electronic Components and Devices

Harrison, N. J.

