

Picture Tube

FILLED-RIM TYPE

110° MAGNETIC DEFLECTION

LOW 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	1700 min—2500 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.)	42 %

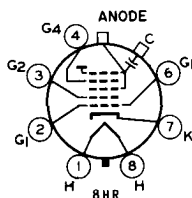
MECHANICAL

Weight (Approx.)	29 lb
Overall Length	14.250 ± .281 in
Neck Length	4.500 ± .125 in
Projected Area of Screen	282 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. B7-208)

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 grid No.1

Anode Voltage	11000 min—23000 max	V
Grid-No.4 Voltage		
Positive value.	1250 max	V
Negative value.	400 max	V
Grid-No.2 Voltage	25 min—60 max	V
Cathode Voltage		
Negative peak value	2 max	V
Negative bias value	0 max	V
Positive bias value	100 max	V
Positive peak value	150 max	V
Heater Voltage.	5.7 min—6.9 max	V



23FRP4

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 16000 V

Grid-No.4 Voltage 0 to 400 V

Grid-No.2 Voltage 50 V

Cathode Voltage 32 to 50 V

For visual extinction of focused raster

Field Strength. 0 to 10 G

Of required adjustable centering magnet

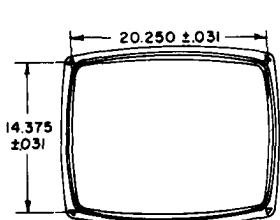
MAXIMUM CIRCUIT VALUE

Grid-No.1 Circuit Resistance. 1.5 max $M\Omega$

^a Includes implosion protection hardware.

DIMENSIONAL OUTLINE

(Bulb J187 K)

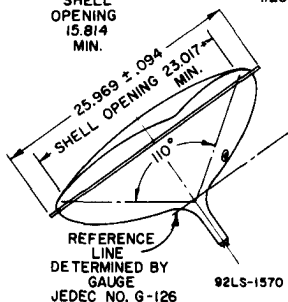
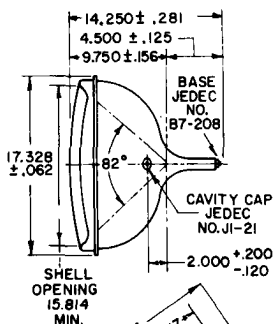
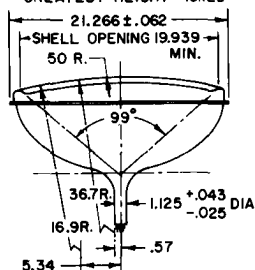


MINIMUM SCREEN

DIAGONAL 22.312

GREATEST WIDTH 19.250

GREATEST HEIGHT 15.125



92LS-1570

DIMENSIONS IN INCHES

