

Picture Tube

FILLED-RIM TYPE

114° MAGNETIC DEFLECTION

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	1250 min—1750 max	pF
Heater Current at 6.3 V.	600 ± 30	mA
Heater Warm-Up Time (Average).	11	s
Electron Gun	Type Requiring No Ion-Trap Magnet	

OPTICAL

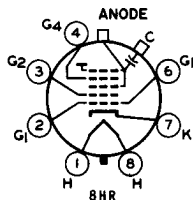
Phosphor	P4—Sulfide Type, Aluminized
For curves, see front of this section	
Faceplate.	Filterglass
Light transmission at center (Approx.) 48 %	

MECHANICAL

Weight (Approx.)	16 lb
Overall Length	11.625 ± .250 in
Neck Length.	4.375 ± .125 in
Projected Area of Screen	172 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 cathode

Anode Voltage.	11000 min—23000 max	V
Grid-No.4 Voltage		
Positive value	1100 max	V
Negative value	550 max	V
Grid-No.2 Voltage.	200 min—550 max	V
Grid-No.1 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



19EBP4

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 300 V

Cathode Voltage 28 to 62 V

For visual extinction of focused raster

Field Strength 0 to 8 G

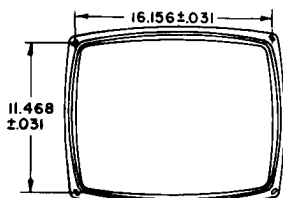
Of required adjustable centering magnet

MAXIMUM CIRCUIT VALUE

Grid-No.1 Circuit Resistance 1.5 max M Ω

^a Includes implosion protection hardware.

DIMENSIONAL OUTLINE (Bulb J149 F)

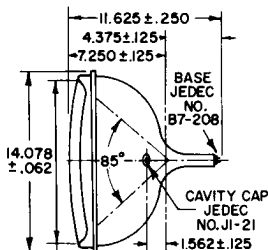


MINIMUM SCREEN

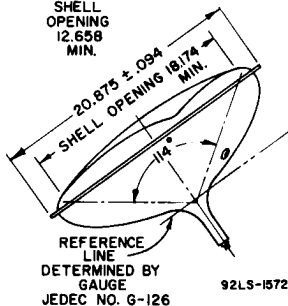
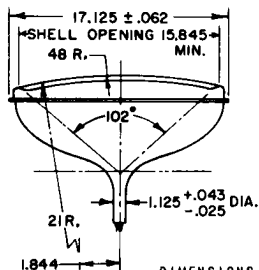
DIAGONAL 17.562

GREATEST WIDTH 15.188

GREATEST HEIGHT 12.000



SHELL
OPENING
12.658
MIN.



92LS-1572

DIMENSIONS IN INCHES

