

Monitor Kinescope

NO ION-TRAP MAGNET REQUIRED

RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUS

ALUMINIZED SCREEN
90° MAGNETIC DEFLECTION

Electrical:

Direct Interelectrode Capacitances:

Cathode to all other electrodes.	5	pf
Grid No.1 to all other electrodes.	9	pf
External conductive coating to anode . . .	$\begin{cases} 350 \text{ max.} \\ 250 \text{ min.} \end{cases}$	$\begin{cases} \text{pf} \\ \text{pf} \end{cases}$

Heater Current at 6.3 volts. 600 $\pm$ 60 ma

Electron Gun Type Requiring No Ion-Trap Magnet

Optical:

Phosphor (For Curves, see front of this Section) . . P4—Sulfide Type,
Aluminized

Faceplate. Filterglass

Light transmission (Approx.) 80%

Mechanical:

Weight (Approx.) 2.5 lbs

Overall Length 9.94" $\pm$.31"

Neck Length. 6.00" $\pm$.19"

Projected Area of Screen 36 sq. in.

External Conductive Coating:

Type Regular-Band

Contact area for grounding Near Reference Line

For Additional Information on Coatings and Dimensions:

See *Picture-Tube Dimensional-Outlines and Bulb J67-1/2A*
sheets at front of this section

Cap. Recessed Small Cavity (JEDEC No. J1-21)

Base Small-Shell Duodecal 6-Pin
(JEDEC Group 4, B6-63)

Basing Designation for BOTTOM VIEW. 12L

Pin 1—Heater

Pin 2—Grid No.1

Pin 6—Grid No.4

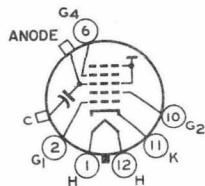
Pin 10—Grid No.2

Pin 11—Cathode

Pin 12—Heater

Cap—Anode (Grid No.3,
Grid No.5, Screen,
Collector)

C—External Conductive
Coating



8HP4

Maximum and Minimum Ratings, Absolute-Maximum Values:

Unless otherwise specified, voltage values are positive with respect to cathode

Anode Voltage.	14000 max.	volts
Grid-No.4 (Focusing) Voltage:		
Positive value	1100 max.	volts
Negative value	550 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
Heater Voltage	{ 6.9 max. 5.7 min.	volts
		volts
Peak Heater-Cathode Voltage:		
Heater negative with respect to cathode	180 max.	volts
Heater positive with respect to cathode	180 max.	volts

Typical Operating Conditions for Grid-Drive Service:

Unless otherwise specified, voltage values are positive with respect to cathode

Anode Voltage.	11000	volts
Grid-No.4 Voltage.	0 to 300	volts
Grid-No.2 Voltage.	300	volts
Grid-No.1 Voltage for visual extinction of focused raster	-28 to -72	volts

Maximum Circuit Value:

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.

