

Picture Tube

RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUS

ALUMINIZED SCREEN
70° MAGNETIC DEFLECTION

GENERAL DATA

Electrical:

Heater Current at 6.3 volts.	600 ± 10%	ma
Direct Interelectrode Capacitances:		
Grid No.1 to all other electrodes. . .	6.5	μμf
Cathode to all other electrodes. . . .	5	μμf
External conductive coating to ultor. .	{ 1000 max. 600 min.	{ μμf μμf
Electron Gun	Type Requiring No Ion-Trap Magnet	

Optical:

Faceplate.	Filterglass
Light transmission (Approx.)	76%
Phosphor (For curves, see front of this section) .	P4—Sulfide Type, Aluminized

Mechanical:

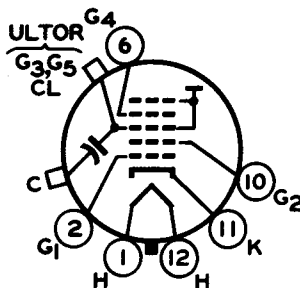
Operating Position	Any
Weight (Approx.)	10 lbs
Overall Length	16-25/32" ± 3/8"
Neck Length.	7-1/2" ± 3/16"
Projected Area of Screen	96 sq. in.
External Conductive Coating:	

Type	Regular Band
Contact area for grounding	Near Reference Line
For Additional Information on Coatings and Dimensions:	

See *Picture-Tube Dimensional-Outlines* and *Bulb J109-1/2 A/C* sheets at the front of this section

Cap.	Recessed Small Cavity (JEDEC No. J1-21)
	Small-Shell Duodecal 6-Pin,
	Arrangement 1 (JEDEC Group 4, No. 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—Ultor
- (Grid No.3,
- Grid No.5,
- Collector)
- C—External
- Conductive
- Coating

Maximum Ratings, Design-Maximum Values:

ULTOR VOLTAGE.	22000 max.	volts
GRID-No.4 (FOCUSING) VOLTAGE:		
Positive value	800 max.	volts
GRID-No.2 VOLTAGE.	700 max.	volts



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GRID-No.1 VOLTAGE:

Negative bias value	180 max.	volts
Positive bias value	0 max.	volts
Positive peak value	2 max.	volts

Typical Operating Conditions:

<i>With ultor voltage of</i>	<i>18000</i>	<i>volts</i>
<i>and grid-No.2 voltage of</i>	<i>300</i>	<i>volts</i>
Grid-No.4 Voltage for focus	0 to 400	volts
Grid-No.1 Voltage for visual extinction of focused raster.	-28 to -72	volts

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

