

Monitor Kinescope

NO ION-TRAP MAGNET REQUIRED

RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUS

ALUMINIZED SCREEN
72° MAGNETIC DEFLECTION

Electrical:

Direct Interelectrode Capacitances:

Cathode to all other electrodes.	5	pf
Grid No.1 to all other electrodes.	6.5	pf
External conductive coating to anode	{1500 max. 1200 min.	pf
Heater Current at 6.3 volts.		600 ± 60
Electron Gun Type Requiring No Ion-Trap Magnet		

Optical:

Phosphor (For Curves, see front of this Section) .P4—Sulfide Type,
Aluminized
Faceplate, Spherical Filterglass
Light transmission (Approx.) 75.5%

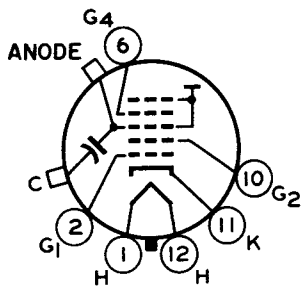
Mechanical:

Weight (Approx.) 24 lbs
Overall Length 23.031" ± .375"
Neck Length. 7.500" ± .188"
Projected Area of Screen 262 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 J171 B/F*
sheets at front of this Section
Cap. Recessed Small Cavity (JEDEC No.J1-21)
Base Small-Shell Duodecal 6-Pin, Arrangement 1,
(JEDEC 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—Anode (Grid No.3,
Grid No.5, Screen,
Collector)
- C—External Conductive
Coating



Maximum and Minimum Ratings, Design-Maximum Values:

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

Anode Voltage.	{ 22000 max. volts 12000 min. volts



21EYP4

Grid-No.4 (Focusing) Voltage:

Positive value.	1100 max.	volts
Negative value.	550 max.	volts

Grid-No.2 Voltage 700 max. volts

Grid-No.1 Voltage:

Negative peak value	220 max.	volts
Negative bias value	180 max.	volts
Positive bias value	0 max.	volts
Positive peak value	2 max.	volts

Heater Voltage. { 6.9 max. volts
5.7 min. volts

Peak Heater-Cathode Voltage:

Heater negative with respect to cathode:

During equipment warm-up period

not exceeding 15 seconds. 450 max. volts

After equipment warm-up period. 200 max. volts

Heater positive with respect to cathode:

Combined AC and DC voltage. 200 max. volts

DC component. 100 max. volts

Typical Operating Conditions for Grid-Drive Service:

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

Anode Voltage 18000 volts

Grid-No.4 Voltage 0 to +400 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

