

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 ma

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

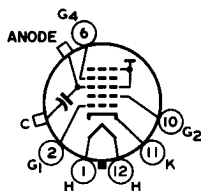
Pin 10—Grid No.2

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