

Picture Tube

LOW-VOLTAGE ELECTROSTATIC FOCUS
NO ION-TRAP MAGNET REQUIRED **ALUMINIZED SCREEN**
RECTANGULAR GLASS TYPE **110° MAGNETIC DEFLECTION**
Low-Grid-No.2-Voltage—for Cathode-Drive Operation

Electrical:

Direct Interelectrode Capacitances:

Cathode to all other electrodes.	5	pf
Grid No.1 to all other electrodes.	6	pf
External conductive coating to anode.	{ 2500 max. 2000 min.	pf

Heater Current at 6.3 volts. 600 ± 30 ma

Heater Warm-Up Time (Average). 11 seconds

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.) 75%

Mechanical:

Weight (Approx.) 25 lbs

Overall length 14.875" ± .281"

Neck length. 5.125" ± .125"

Projected Area of Screen 282 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 J187 E*
at front on this section

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

Base Small-Button Neoeightar 7-Pin,
Arrangement 1, (JEDEC No.R7-208) or (JEDEC No. B7-237)

Basing Designation for BOTTOM VIEW BHR

Pin 1—Heater

Pin 2—Grid No.1

Pin 3—Grid No.2

Pin 4—Grid No.4

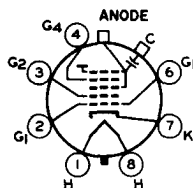
Pin 6—Grid No.1

Pin 7—Cathode

Pin 8—Heater

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

C—External Conductive
Coating



23DBP4

Maximum and Minimum Ratings, Design-Maximum Values:

*Unless otherwise specified, voltage values
are positive with respect to Grid No.1*

Anode Voltage.	{ 22000 max. 15000 min.	volts volts
Grid-No.4 (Focusing) Voltage:		
Positive value	1250 max.	volts
Negative value	400 max.	volts
Grid-No.2 Voltage.	250 max.	volts
Grid-No.2 to Cathode Voltage	{ 100 max. 40 min.	volts volts
Cathode Voltage:		
Positive peak value.	220 max.	volts
Positive bias value.	155 max.	volts
Negative bias value.	0 max.	volts
Negative 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:		
During equipment warm-up period not exceeding 15 seconds	450 max.	volts
After equipment warm-up period	300 max.	volts
Heater positive with respect to cathode .	200 max.	volts

Typical Operating Conditions for Cathode-Drive Service:

*Unless otherwise specified, voltage values
are positive with respect to grid No.1*

Anode Voltage.	18000	volts
Grid-No.4 Voltage.	250	volts
Grid-No.2 Voltage.	50	volts
Cathode Voltage for visual extinction of focused raster	34 to 52	volts

Maximum Circuit Value:

Grid-No.1 Circuit Resistance	1.5 max.	megohms
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For X-radiation shielding considerations, see sheet
X-RADIATION PRECAUTIONS FOR CATHODE-RAY TUBES
at front on this Section