

Picture Tube

RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUS

ALUMINIZED SCREEN
110° MAGNETIC DEFLECTION

With Heater Having Controlled Warm-Up Time

GENERAL DATA

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.	{ 1500 max. 800 min.	pf ←
Heater Current at 8.4 volts	450 ± 45	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, Spherical. Filterglass
Light transmission (Approx.). 78%

Mechanical:

Weight (Approx.). 10 lbs
Overall Length. 12-9/16" + 1/4" - 9/16"
Neck Length. 5-7/16" + 1/8" - 7/16"
Projected Area of Screen. 155 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 J132 1/2 A/B* sheets at front of this section

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

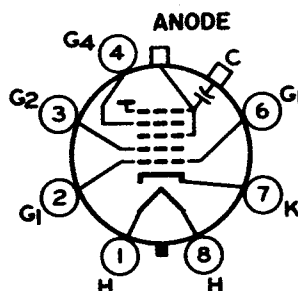
Bases (Alternates):

Small-Button Eightar 7-Pin, Arrangement 2 (JEDEC No.B7-183)

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

Basing Designation for BOTTOM VIEW 8HR

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

← Indicates a change.



17CDP4

→ **Maximum and Minimum Ratings, Design-Maximum Values:**

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

ANODE VOLTAGE.	{17600 max. 11000 min.	volts 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.	154 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:		
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.	16000	volts
Grid-No.4 Voltage.	0 to 400	volts
Grid-No.2 Voltage.	400	volts
Grid-No.1 Voltage for visual extinction of focused raster		
	-36 to -94	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 of this section

→ Indicates a change.

