

Picture Tube

SHORT RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUS

ALUMINIZED SCREEN
110° MAGNETIC DEFLECTION

With Heater Having Controlled Warm-Up Time

GENERAL DATA

Electrical:

Heater Current at 6.3 volts	600 ± 5%	ma
Heater Warm-Up Time (Average)	11	seconds
Direct Interelectrode Capacitances:		
Grid No.1 to all other electrodes . . .	6	μmf
Cathode to all other electrodes	5	μmf
External conductive coating to ultor. . .	{ 2500 max. 2000 min.	μmf
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

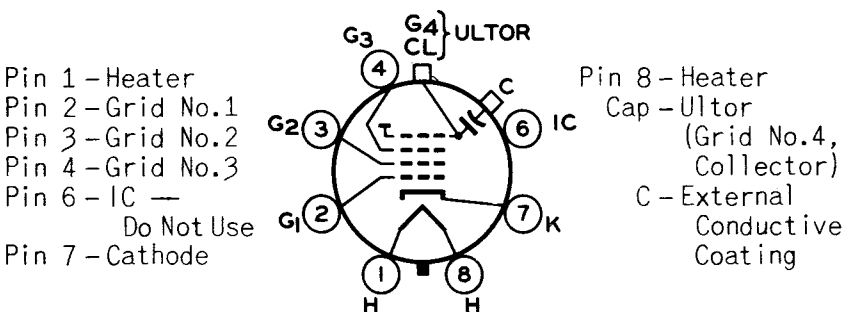
Mechanical:

Operating Position.	Any
Weight (Approx.)	20 lbs
Overall Length.	12-13/16" ± 5/16"
Neck Length	3-9/16" ± 1/8"
Projected Area of Screen.	262 sq. in.
External Conductive Coating:	

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

See *Picture-Tube Dimensional-Outlines* and *Bulb J171 G/K* sheets at the front of this section

Cap	Recessed Small Cavity (JEDEC No.J1-21)
Base.	Small-Button Neoeightar 7-Pin, Arrangement 1 (JEDEC No.B7-208)
Basing Designation for BOTTOM VIEW.	8JR



21FAP4

Maximum Ratings, Design-Maximum Values:

ULTOR VOLTAGE	22000 max.	volts
GRID-No.3 (FOCUSING) VOLTAGE:		
Positive value.	700 max.	volts
GRID-No.2 VOLTAGE	600 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
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.	200 max.	volts

Typical Operating Conditions:

With ultor voltage of	16000	volts
and grid-No.2 voltage of	500	volts
Grid-No.3 Voltage for focus	0 to 400	volts
Grid-No.1 Voltage for visual extinction of focused raster.	-43 to -78	volts

Maximum Circuit Values:

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

