

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.	{ 1400 max. 900 min.	{ μmf μmf
Electron Gun.	Type Requiring No Ion-Trap Magnet	

Optical:

Faceplate	Filterglass
Light transmission (Approx.)	77%
Phosphor (For curves, see front of this section). P4—Sulfide Type, Aluminized	

Mechanical:

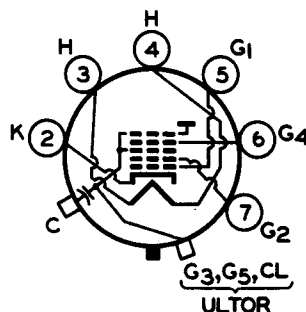
Operating Position.	Any
Weight (Approx.)	10 lbs
Overall Length.	12-5/16" ± 5/16"
Neck Length	5-3/16" ± 3/16"
Projected Area of Screen.	155 sq. in.
External Conductive Coating:	

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

See *Picture-Tube Dimensional-Outlines* and *Bulb J132-1/2 A/B* sheets at the front of this section

Cap	Recessed Small Cavity (JEDEC No. J1-21)
Base.	Special 6-Pin (JEDEC No. B6-185)
Basing Designation for BOTTOM VIEW.	7FA

Pin 2—Cathode
 Pin 3—Heater
 Pin 4—Heater
 Pin 5—Grid No.1
 Pin 6—Grid No.4
 Pin 7—Grid No.2



Cap—Ultor
 (Grid No.3,
 Grid No.5,
 Collector)
 C—External
 Conductive
 Coating

Maximum Ratings, Design-Maximum Values:

ULTOR VOLTAGE	17600 max.	volts
GRID-No.4 (FOCUSING) VOLTAGE:		
Positive value.	1100 max.	volts
Negative value.	550 max.	volts



17CSP4

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
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:

<i>With ultor voltage of</i>	14000	volts
<i>and grid-No.2 voltage of</i>	300	volts.
Grid-No.4 Voltage for focus	-50 to +350	volts
Grid-No.1 Voltage for visual extinction		
of focused raster	-35 to -72	volts

Maximum Circuit Values:

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

