

17CSP4

Picture Tube

SHORT RECTANGULAR GLASS TYPE **ALUMINIZED SCREEN**
LOW-VOLTAGE ELECTROSTATIC FOCUS **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	μμf
Cathode to all other electrodes	5	μμf
External conductive coating to ultor . .	{	μμf
	{	μμf
Electron Gun	Type Requiring	No Ion-Trap Magnet

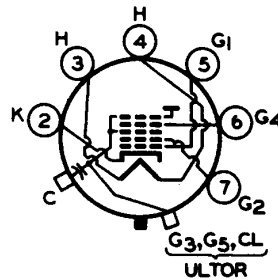
Optical:

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 <i>Picture-Tube Dimensional-Outlines</i> and <i>Bulb J132-1/2 A/B</i> 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

