

Picture Tube

SHORT RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUS
LOW GRID-No.2 VOLTAGE

ALUMINIZED SCREEN
110° MAGNETIC DEFLECTION
CATHODE-DRIVE TYPE

With Heater Having Controlled Warm-Up Time

GENERAL DATA

Electrical:

Heater Current at 6.3 volts.	450 ± 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 .	{ 1700 max. 1200 min.	μμf
Electron Gun Type Requiring No Ion-Trap Magnet		μμf

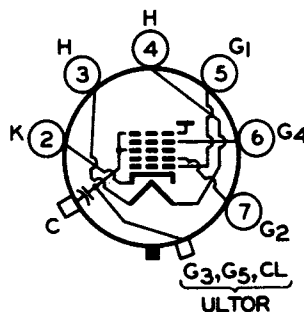
Optical:

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	12-1/8" ± 1/4"
Neck Length.	5" ± 1/8"
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 <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.B6-214)
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



17DQP4

Maximum Ratings, Design-Maximum Values:

ULTOR-TO-GRID-No.1 VOLTAGE.	17600 max.	volts
GRID-No.4-TO-GRID-No.1 (FOCUSING) VOLTAGE:		
Positive value.	1100 max.	volts
Negative value.	550 max.	volts
GRID-No.2-TO-GRID-No.1 VOLTAGE.	70 max.	volts
CATHODE-TO-GRID-No.1 VOLTAGE:		
Positive bias value	150 max.	volts
Negative 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-to-grid-No.1 voltage of</i>	<i>14500</i>	<i>volts</i>
<i>and grid-No.2-to-grid-No.1 voltage of</i>	<i>50</i>	<i>volts</i>
Grid-No.4-to-Grid-No.1 Voltage for focus	-200 to +350	volts
Cathode-to-Grid-No.1 Voltage for visual extinction of focused raster .	31 to 49	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