

## Picture Tube

RECTANGULAR GLASS TYPE  
LOW-VOLTAGE ELECTROSTATIC FOCUS

ALUMINIZED SCREEN  
70° MAGNETIC DEFLECTION

### GENERAL DATA

#### Electrical:

Heater Current at 6.3 volts . . . . .	600 ± 10%	ma
Direct Interelectrode Capacitances:		
Grid No.1 to all other electrodes . . . . .	6.5	μf
Cathode to all other electrodes . . . . .	5	μf
External conductive coating to ultor. . . . .	{ 1500 max. 750 min.	{ μf μf
Electron Gun. . . . .	Type Requiring No Ion-Trap Magnet	

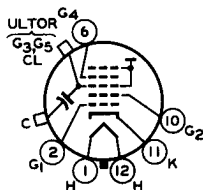
#### Optical:

Faceplate . . . . .	Filterglass
Light transmission (Approx.) . . . . .	74%
Phosphor (for curves, see front of this section). . . . .	P4—Sulfide Type, Aluminized

#### Mechanical:

Operating Position. . . . .	Any
Weight (Approx.) . . . . .	18 lbs
Overall Length. . . . .	19-3/16" ± 3/8"
Neck Length . . . . .	7-1/2" ± 3/16"
Projected Area of Screen. . . . .	149 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 J133 B/D</i> sheets at the front of this section	
Cap . . . . .	Recessed Small Cavity (JEDEC No. J1-21)
Base. . . . .	Small-Shell Duodecal 6-Pin, Arrangement 1, (JEDEC Group 4, No. B6-63)
Basing Designation for BOTTOM VIEW. . . . .	12L

- Pin 1 - Heater
- Pin 2 - Grid No.1
- Pin 6 - Grid No.4
- Pin 10 - Grid No.2
- Pin 11 - Cathode
- Pin 12 - Heater



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



# 17DWP4

## Maximum Ratings, Design-Maximum Values:

ULTOR VOLTAGE . . . . .	22000 max.	volts
GRID-No.4 (FOCUSING) VOLTAGE:		
Positive value . . . . .	800 max.	volts
GRID-No.2 VOLTAGE . . . . .	700 max.	volts
GRID-No.1 VOLTAGE:		
Negative bias value . . . . .	180 max.	volts
Positive bias value . . . . .	0 max.	volts
Positive peak value . . . . .	2 max.	volts

## Typical Operating Conditions:

With ultor voltage of . . . . .	18000	volts
and grid-No.2 voltage of . . . . .	300	volts
Grid-No.4 Voltage for focus . . . . .	0 to 400	volts
Grid-No.1 Voltage for visual extinction of focused raster. . . . .	-28 to -72	volts

For X-radiation shielding considerations, see sheet  
*X-RADIATION PRECAUTIONS FOR CATHODE-RAY TUBES*  
at front of this section

