

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	μμf
Cathode to all other electrodes	5	μμf
External conductive coating to ultor.	1500 max. 750 min.	μμf μμf
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:

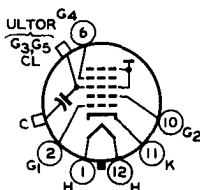
See *Picture-Tube Dimensional-Outlines* and *Bulb J133 B/D* sheets at the front of this section

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

