

Picture Tube

RECTANGULAR GLASS TYPE
LOW-VOLTAGE ELECTROSTATIC FOCUS

ALUMINIZED SCREEN
72° MAGNETIC DEFLECTION

Electrical:

Heater Current at 6.3 volts.	600	ma
Direct Interelectrode Capacitances:		
Grid No.1 to all other electrodes.	6	pf
Cathode to all other electrodes.	5	pf
External conductive coating to anode	{2500 max. pf 2000 min. pf	
Electron Gun	Type Requiring No Ion-Trap Magnet	

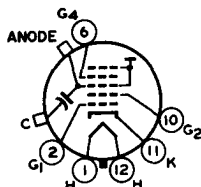
Optical:

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

Mechanical:

Operating Position.	Any
Weight (Approx.)	24 lbs
Overall Length.	23-1/32" ± 3/8"
Neck Length	7-1/2" ± 3/16"
Projected Area of Screen.	262 sq. in.
External Conductive Coating:	
Type.	Special
Contact area for grounding.	Near Reference Line
For Additional Information on Coatings and Dimensions:	
See <i>Picture-Tube Dimensional-Outlines</i> and <i>Bulb J171 B/F</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 - Anode
(Grid No.3,
Grid No.5,
Collector)
C - External
Conductive
Coating



21AVP4C

Maximum Ratings, Design-Maximum Values:

Anode Voltage.	22000 max.	volts
Grid-No.4 (Focusing) Voltage:		
Positive value	1100 max.	volts
Negative value	550 max.	volts
Grid-No.2 Voltage.	550 max.	volts
Grid-No.1 Voltage:		
Negative peak value.	220 max.	volts
Negative bias value.	155 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:

With anode voltage of	18000	volts
and grid-No.2 voltage of	300	volts
Grid-No.4 Voltage for focus	-72 to +396	volts
Grid-No.1 Voltage for visual		
extinction of focused raster	-28 to -72	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

