

Picture Tube

**RECTANGULAR GLASS TYPE
MAGNETIC FOCUS**

**ALUMINIZED SCREEN
90° MAGNETIC DEFLECTION**

Electrical:

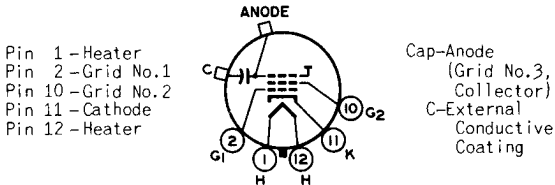
Heater Current at 6.3 volts.	600 ± 10% ma
Direct Interelectrode Capacitances:	
Grid No.1 to all other electrodes.	6 pf
Cathode to all other electrodes.	5 pf
External conductive coating to anode	{ 2500 max. pf 2000 min. pf
Electron Gun	Type Requiring No Ion-Trap Magnet

Optical:

Faceplate, Spherical	Filterglass
Light transmission (Approx.)	75%
Phosphor (For curves, see front of this section).	P4—Sulfide Type, Aluminized

Mechanical:

Operating Position	Any
Weight (Approx.)	35 lbs
Overall Length	21-1/8" ± 3/8"
Neck Length.	7-1/2" ± 3/16"
Projected Area of Screen	332 sq. in.
External Conductive Coating:	
Type	Regular-Band
Contact area for grounding	Near Reference Line
For Additional Information on Coatings, Dimensions, and Deflection Angles:	
See <i>Picture-Tube Dimensional-Outlines</i> and <i>Bulb J192 A/B</i> sheets at the front of this section	
Cap.	Recessed Small Cavity (JEDEC No. J1-21)
Base	Small-Shell Duodecal 5-Pin (JEDEC Group 4, No. B5-57)
Basing Designation for BOTTOM VIEW	12N



Maximum Ratings, Design-Maximum Values:

Anode Voltage.	22000 max. volts
Grid-No.2 Voltage.	550 max. volts



24CP4B

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:

<i>With anode voltage of</i>	16000	<i>volts</i>
<i>and grid-No.2 voltage of</i>	300	<i>volts</i>

Grid-No.1 Voltage for visual extinction of focused raster	-28 to -72	volts
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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

