

Picture Tube

**RECTANGULAR GLASS TYPE
MAGNETIC FOCUS**

**ALUMINIZED SCREEN
70° MAGNETIC DEFLECTION**

Electrical:

Direct Interelectrode Capacitances:

Cathode to all other electrodes.	5	pf
Grid No.1 to all other electrodes.	6	pf
External conductive coating to anode	{ 1500 max. 750 min.	{ pf pf

Heater Current at 6.3 volts. 600 ± 60 ma

Heater Warm-Up Time (Average). 11 seconds

Electron Gun Type Requiring No Ion-Trap Magnet

Optical:

Phosphor (For curves, see front of this section). P4—Sulfide Type,
Aluminized

Faceplate. Filterglass

Light transmission (Approx.) 74%

Mechanical:

Weight (Approx.) 19 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

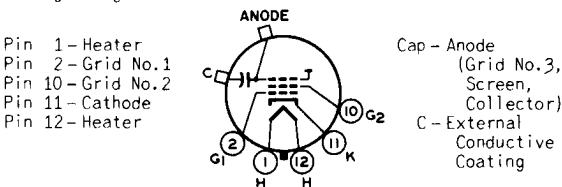
For Additional Information on Coatings, Dimensions, and Deflection Angles:

See *Picture-Tube Dimensional-Outlines and Bulb J133 C/E sheets*
at 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 and Minimum Ratings, design-Maximum Values:

Unless otherwise specified, voltage values are positive with respect to cathode

Anode Voltage. 20000 max. volts

Grid-No.2 Voltage. 550 max. volts



17QP4B

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
Heater Voltage.	{ 6.9 max. 5.7 min.	volts 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:

Combined AC and DC voltage.	200 max.	volts
DC component.	100 max.	volts

Typical Operating Conditions for Grid-Drive Service:

Unless otherwise specified, voltage values are positive with respect to cathode

Anode Voltage	14000	volts
Grid-No. 2 Voltage	300	volts
Grid-No. 1 Voltage for visual extinction of focused raster.	-28 to -72	volts

Maximum Circuit Value:

Grid-No. 1-Circuit Resistance.	1.5 max.	megohms
--	----------	---------

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

