

Picture Tube

PAN-O-PLY TYPE

114° 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. 1000 min—1500 max		pF
Heater Current at 6.3 V	450 ± 20	mA
Heater Warm-Up Time (Average)	11	s
Electron Gun.	Type Requiring No Ion-Trap Magnet	

OPTICAL

Phosphor.	P4—Sulfide Type, Aluminized
For curves, see front of this section	
Faceplate	Filterglass
Light transmission at center (Approx.).	54%

MECHANICAL

Weight (Approx.).	9.5 lb
Overall Length.	10.569 ± 0.242 in
Neck Length	4.375 ± 0.125 in
Projected Area of Screen.	125 sq in
External Conductive Coating ^a	

Type (See CRT OUTLINES 1 at front of this section) .Regular-Band

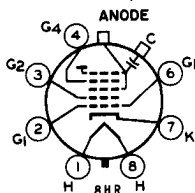
Contact area for grounding. Near Reference Line

Cap Recessed Small Cavity (JEDEC No. J1-21)

Base. Small-Button Neoeightar 7-Pin,
Arrangement 1, (JEDEC No.B7-208)

TERMINAL DIAGRAM (Bottom View)

Pin 1—Heater
Pin 2—Grid No.1
Pin 3—Grid No.2
Pin 4—Grid No.4
Pin 6—Grid No.1
Pin 7—Cathode
Pin 8—Heater



Cap—Anode
(Grid No.3,
Grid No.5,
Screen,
Collector)
C—External
Conductive
Coating

MAXIMUM AND MINIMUM RATINGS, DESIGN-MAXIMUM VALUES

Voltages are positive with respect to cathode

Anode Voltage	10000 min—18000 max	V
Grid-No.4 Voltage		
Positive value.	1100 max	V
Negative value.	550 max	V
Grid-No.2 Voltage	200 min—550 max	V
Grid-No.1 Voltage		
Negative peak value	220 max	V
Negative bias value	155 max	V
Positive bias value	0 max	V
Positive peak value	2 max	V



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16CMP4A

Heater Voltage	5.7 min—6.9 max	V
Peak Heater-Cathode Voltage		
Heater negative with respect to cathode:		
During equipment warm-up period ≤ 15 s	450 max	V
After equipment warm-up period	300 max	V
Heater positive with respect to cathode:		
Combined AC & DC voltage	200 max	V
DC component	100 max	V

TYPICAL OPERATING CONDITIONS FOR CATHODE-DRIVE SERVICE

Voltages are positive with respect to grid No.1

Anode Voltage	16000	V
Grid-No.4 Voltage	-100 to 300	V
Grid-No.2 Voltage	300	V
Cathode Voltage	28 to 60	V
For visual extinction of focused raster		
Field Strength	0 to 8	G
Of required adjustable centering magnet		

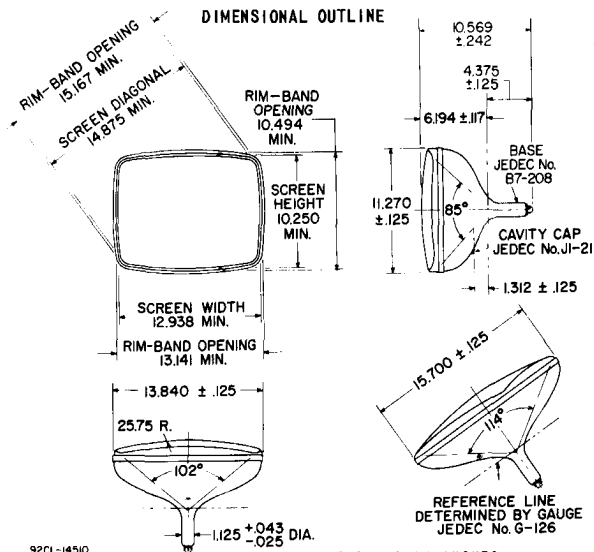
MAXIMUM CIRCUIT VALUE

Grid-No.1 Circuit Resistance	1.5 max	M Ω
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^a Includes implosion protection hardware.

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

DIMENSIONAL OUTLINE



DIMENSIONS IN INCHES

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