Picture Tube

PAN-O-PLY - INTEGRAL IMPLOSION PROTECTION

(Provided by Formed Rim and Welded Tension Bands around Periphery of Tube Panel---No Separate Safety-Glass or Integral Protective Window Required)

RECTANGULAR GLASS TYPE ALUMINIZED SCRFFN LOW-VOLTAGE ELECTROSTATIC FOCUS 110° MAGNETIC DEFLECTION NO ION-TRAP MAGNET REQUIRED

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 a. {2500 max. 1700 min.	pf
\1700 min.	pf
Heater Current at 6.3 volts 600 ± 30	ma
Heater Warm-Up Time (Average) 11	seconds
Electron Gun Type Requiring No lon-Tra	n Magnet

Optical:

Phosphor (For	Curves, see	front of	this:	Section).	٠.,	94	Sulfi	de 1	јуре,
Facoplate							Al	umir	nized
Faceplate	*.* : * *		• •			٠.	· F 1 I	terg	∤lass
Light Trans	smission a	t center	(App	rox.) .					42%

Mechanical:

Weight (Approx.)		28 lbs
Overall length	1/ 875"	2010
Neck length	5 105"	1 1 201
Projected Ames of Comment		± .125.
Projected Area of Screen	•••• 282 s	iq. in.
External Conductive Coating:		

See Picture-Tube Dimensional-Outlines and Bulb J187 K sheets at front of this section

Cap. Recessed Small Cavity (JEDEC No.J1-21) Base Small-Button Neoeightar 7-Pin. Arrangement 1, (JEDEČ No.87-208)

Pin 1 - Heater Pin 2 - Grid No.1

Pin 3-Grid No. 2

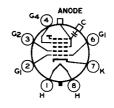
Pin 4 - Grid No.4 Pin 6-Grid No.1

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:						
Unless otherwise specified, voltage val-						
ues are positive with respect to cathode						
Anode Voltage	volts					
Grid-No.4 Voltage: (11000 min.	volts					
Positive value						
Negative value	volts volts					
	volts					
Grid-No.2 Voltage	volts					
Grid-No.1 Voltage:	VUILS					
Negative peak value	volts					
Megative bias value	volts					
Positive bias value 0 max.	volts					
Positive peak value 2 max.	volts					
Heater Voltage	volts					
Peak Heater-Cathode Voltage: \\ 5.7 min.	volts					
Heater negative with respect to cathode: During equipment warm-up period not exceeding 15 seconds	volts volts volts volts					
Typical Operating Conditions for Cathode-Drive Service:						
Unless otherwise specified, voltage values						
are positive with respect to grid No. 1						
Anode Voltage	volts					
Grid-No.4 Voltage 200	volts					
300	volts					
Cathode voltage for visual						
extinction of focused raster 28 to 62 Field Strength of required	volts					
adjustable Contains Many 4						
adjustable Centering Magnet 0 to 12	gauss					
Maximum Circuit Value:						
Grid-No.1 Circuit Resistance 1.5 max.	megohms					
a includes implasion protection bardware						

Includes implosion protection hardware.

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



The grid-No.4 voltage required for optimum focus of any individual tube will have a value anywhere between 0 and + 400 volts with the combined grid-No.1 voltage and video-signal voltage adjusted to give an anode current of 200 microamperes on a 13-1/2-inch by 18-inch pattern from an RCA-2F21 monoscope, or equivalent.