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 SCREEN LOW-VOLTAGE ELECTROSTATIC FOCUS II40 MAGNETIC DEFLECTION
Electrical:
Direct Interelectrode Capacitances: Cathode to all other electrodes
Heater Current at 6.3 volts
Optical:
Phosphor (For Curves, see front of this Section)P4—Sulfide Type,
Faceplate
Mechanical:
Weight (Approx.)
See Picture-Tube Dimensional-Outlines and Bulb J149F1 sheets.
at front of this section Cap Recessed Small Cavity (JEDEC No.J1-21) Base
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) ANODE G4 G4 G7 K G2 G1 G2 G1 G2 G3 G1 G1 G2 G3 G1 G1 G2 G3 G1 G3 G1 G1 G3 G1 G3 G1 G3 G1 G1

C-External conductive

Coating

19DQP4

Maximum and Minimum Ratings, Design-Maximum Value	es:
Unless otherwise specified, voltage vaues are positive with respect to catho	
Anode Voltage	ax. volts in. volts
Grid-No.4 (Focusing) Voltage: Positive value	ax. volts
Grid-No.2 Voltage	
Grid-No.1 Voltage: Negative peak value	ax. volts ax. volts ax. volts ax. volts
Heater Voltage $\left\{ \begin{array}{lll} 6.9 \text{ mg} \\ 5.7 \text{ mg} \end{array} \right.$	ax. volts in. volts
Peak Heater-Cathode Voltage: Heater negative with respect to cathode: During equipment warm-up period not exceeding 15 seconds	ax. volts ax. volts ax. volts
Typical Operating Conditions for Cathode-Drive Se	
Unless otherwise specified, voltage vaues are positive with respect to grid No	
- · · · - · · · · · · · · · · · · · · · · · · ·	volts volts volts volts
raster	
Maximum Circuit Value:	
Grid-No.1 Circuit Resistance 1.5 m	max. megohms
a c	

External conductive coating and implosion protection hardware must be grounded.

b 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 and video-signal voltage adjusted to give a 200-microampere anode current.

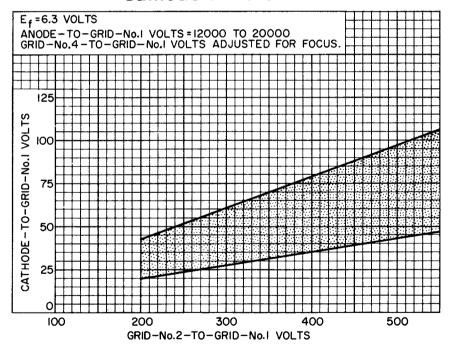
not exceed 2-1/4 inches. The specified centering magnet should not exceed 2-1/4 inches. The specified centering magnet compensates only for the effect which mechanical tube tolerances may have on the location of the undeflected, focused spot with respect to the center of the tube face. Maximum field strength of adjustable centering magnet equals Distance from Reference Line for suitable PM centering magnet should

$$\sqrt{\frac{\text{Anode volts}}{16000 \text{ volts}}} \times 8 \text{ gauss}$$

The equipment manufacturer must determine and supply additional compensation for the effects of the earth's magnetic field and extraneous fields due to choice of circuitry and components. The additional compensation should preferably be applied as part of the magnetic field of the deflecting yoke.

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

RASTER-CUTOFF-RANGE CHART Cathode-Drive Service



92CS-12008