

MONITOR KINESCOPE MAGNETIC DEFLECTION

DATA				
General:				
Direct Interelectrode Capacitances (Approx.): Grid No.1 to All Other Electrodes. 6 Cathode to All Other Electrodes. 5 Phosphor(For Curves, See front of this Section). No.4—Sulfide Ty Fluorescence. Whi Phosphorescence. Whi Persistence. Sho Focusing Method. Magnet Deflection Method. Magnet Deflection Angle (Approx.) Deflection Angle (Approx.) Greatest Diameter of Bulb. 7—3/16" ± 1/ Screen Diameter. 6—1/4.	mp Affecterico to 84 ny			
BOTTOM VIEW				
Pin 1 - Heater Pin 2 - Grid No.1 Pin 10 - Grid No.2 Pin 2 - Anode Pin 2 - Anode				
ANODE VOLTAGE*				
Negative bias value	ts			
During equipment warm—up period not exceeding 15 seconds 410 max. vol After equipment warm—up period 150 max. vol Heater positive with respect to cathode. 150 max. vol	ts			
Typical Operation:				
Anode Voltage** 8000 vol	ts			
* The product of anode voltage and average anode current should limited to 6 watts. ** Brilliance and definition decrease with decreasing anode voltage.	be in			
** Brilliance and definition decrease with decreasing anode voltage. general, the anode voltage should not be less than 6000 volts.				





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Maximum Circuit Values:	
lon-Trap Magnet ^o 35	gausses
Focusing-Coil Current (DC, approx.)* 80 Field Strength of Single-Field	та
tion of Undeflected Focused Spot33 to -7	7 volts
Grid=No.2 Voltage	volts

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

Minimum Circuit Values:

The power supply should be of the limited-energy type with inherent regulation to limit the continuous short-circuit current to 5 milliamperes. If the supply permits the instantaneous short-circuit current to exceed 1 ampere, or is capable of storing more than 250 microcoulombs, the effective resistance incircuit between indicated electrode and the output capacitor should be as follows:

Grid-No.1-Circuit Resistance . 150 min. ohms Grid-No.2-Circuit Resistance 470 min. ohms Anode-Circuit Resistance . . 11000 min. ohms

The resistors used should be capable of withstanding the applied voltage.

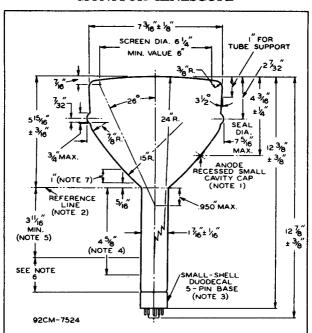
For specimen focusing coil similar to JETEC Focusing Coil No.109, positioned with air gap toward kinescope screen, and center line of air gap 3 inches from Reference Line (see Outline Drawing). The indicated current is for condition with combined grid-No.1 bias voltage and video-signal voltage adjusted to produce a highlight brightness of % 10 foot-lamberts on a 5-3/8 * x * picture area sharply focused at center of screen.

O Measured at center of field with General Electric Gauss Meter, Cat. No. 409X51.



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MONITOR KINESCOPE



- NOTE I: THE PLANE THROUGH THE TUBE AXIS AND VACANT PIN POSITION NO.3 MAY VARY FROM THE PLANE THROUGH THE TUBE AXIS AND ANODE TERMINAL BY AN ANGULAR TOLERANCE (MEASURED ABOUT THE TUBE AXIS) OF 10°. ANODE TERMINAL IS ON SAME SIDE AS VACANT PIN POSITION NO.3.
- NOTE 2: REFERENCE LINE IS DETERMINED BY POSITION WHERE HINGED GAUGE 1.500" + .003" .000" I.D. AND 2" LONG WILL REST ON BULB CONE.
- NOTE 3: SOCKET FOR THIS BASE SHOULD NOT BE RIGIDLY MOUNTED; IT SHOULD HAVE FLEXIBLE LEADS AND BE ALLOWED TO MOVE FREELY. BOTTOM CIRCUMFERENCE OF BASE SHELL WILL FALL WITHIN CIRCLE CONCENTRIC WITH BULB AXIS AND HAVING DIAMETER OF 1-7/8".
- NOTE 4: DISTANCE FROM REFERENCE LINE FOR LOCATING CENTER OF ION-TRAP MAGNETIC FIELD. DIRECTION OF FIELD OF THE ION-TRAP MAGNET SHOULD BE SUCH THAT NORTH POLE IS ADJACENT TO VACANT PIN POSITION No.8 AND SOUTH POLE TO PIN No.2.

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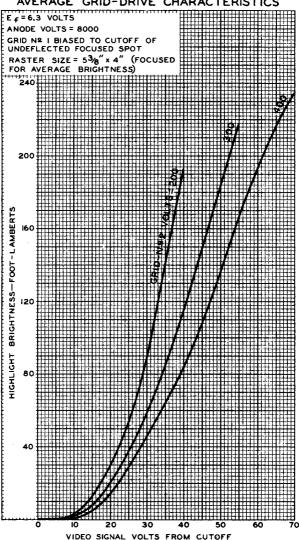
MONITOR KINESCOPE

- NOTE 5: LOCATION OF DEFLECTING YOKE MUST BE WITHIN THIS SPACE.
- NOTE 6: KEEP THIS SPACE CLEAR FOR SINGLE-FIELD, ION-TRAP MAGNET.
- NOTE 7: FOR TUBE SUPPORT WHICH MUST BE KEPT AT LEAST 2"
 AWAY FROM ANODE CAVITY CAP.

JAN. 1, 1951



AVERAGE GRID-DRIVE CHARACTERISTICS



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AVERAGE GRID-DRIVE CHARACTERISTICS

