

MONITOR KINESCOPE

MAGNETIC FOCUS

MAGNETIC DEFLECTION

DATA									
General:									
General: Heater, for Unipotential Cathode: Voltage									
Pin 1-Heater Pin 2-Grid No.1 Pin 10-Grid No.2 Pin 11-Cathode Pin 12-Heater Cap - Anode									
Maximum Potings Design Contan Values									
Maximum Ratings, Design-Center Values: ANODE VOLTAGE* 10000 max. volts GRID-No.2 VOLTAGE. 410 max. volts GRID-No.1 VOLTAGE: 125 max. volts Positive bias value. 0 max. volts									
Positive peak value									
Typical Operation:									
Anode Voltage** 8000 volts									
* The product of anode voltage and average anode current should be limited to 6 watts. ** Brilliance and definition decrease with decreasing anode voltage. In general, the anode voltage should not be less than 6000 volts.									

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Grid-No.2 Voltage 300	volts
Grid-No.1 Voltage for Visual Extinc- tion of Undeflected Focused Spot33 to -77 Focusing-Coil Current (DC, approx.)* 80	volts ma
Field Strength of Single-Field Ion-Trap Magnet ^o 35	gausses
Maximum Circuit Values:	
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:

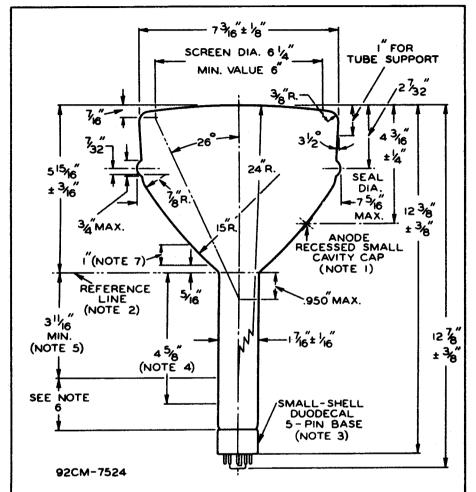
The resistors used should be capable of withstanding the applied voltage.

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

[#] 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 40 foot-lamberts on a 5-3/8" x 4" picture area sharply focused at center of screen.



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- 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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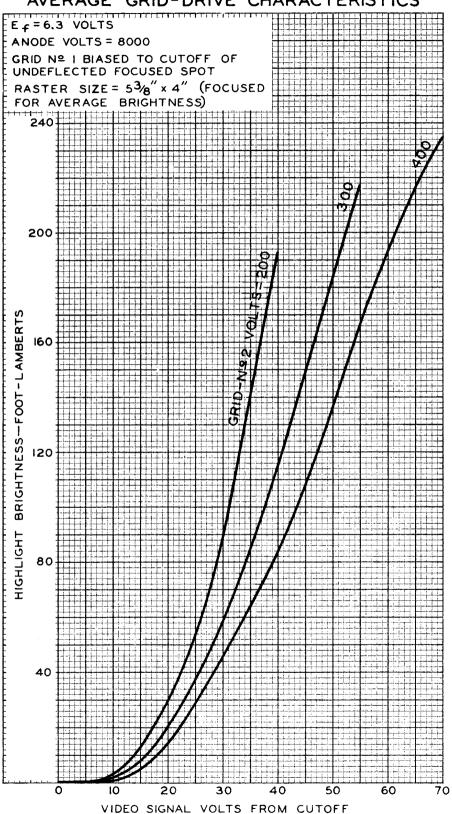
NOTE 5:	LOCATION	OF	DEFLECTING	YOKE	MUST	ВE	WITHIN	THIS
SPACE								

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.



AVERAGE GRID-DRIVE CHARACTERISTICS





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