

General:					
Heater, for Unipotential Cathode: Voltage					
DJ_1 and DJ_2 are nearer the screen DJ_3 and DJ_4 are nearer the base					
With DJ ₁ positive with respect to DJ ₂ , the spot is deflected toward pin 3. With DJ ₃ positive with respect to DJ ₄ , the spot is deflected toward pin 1. The angle between the trace produced by DJ ₃ and DJ ₄ and its intersection with the plane through the tube axis and pin 1 does not exceed 10°. The angle between the trace produced by DJ ₃ and DJ ₄ and the trace produced by DJ ₁ and DJ ₂ is 90° ± 4°.					
Maximum Ratings, Absolute Values:					
ANODE—No.2 & GRID No.2 VOLTAGE					



(continued from preceding page)					
Typical Operation:					
Anode No.2 & Grid No.2 Voltage* · · 400 600 volts Anode No.1 Voltage for Focus at 75% of Grid-No.1 Volt-					
age for Cutoff • 100 150 volts					
Grid-No.1 Volt. for Visual Cutoff#40 -60 volts					
Max. Anode-No.1 Current					
Range Between -50 and +10 µamp.					
Deflection Sensitivity: DJ1 and DJ2 0.273 0.183 mm/v dc DJ3 and DJ4 0.326 0.217 mm/v dc Deflection Factor:**					
DJ1 and DJ2 93 139 v dc/in.					
DJ1 and DJ2					
bo3 and bo4					
 ★ Brilliance and definition decrease with decreasing anode-No.2 voltage. in general, anode-No.2 voltage should not be less than 400 volts. ◆ Individual tubes may require between +20% and -35% of the values shown with grid-No.1 voltages between zero and cutoff. # Visual extinction of stationary focused spot. Supply should be adjustable to ± 50% of these values. 					
See curve for average values.					
Individual tubes may vary from these values by \pm 20%.					
Spot Position:					
The undeflected focused spot will fall within a 10-mm square					
centered at the geometric center of the tube face and having					
one side parallel to the trace produced by DJ1 and DJ2. Suit-					
able test conditions are: anode-No.2 voltage, 600 volts;					
anode-No. I voltage, adjusted for focus; deflecting-electrode					

902:A

anode-No.1 voltage, adjusted for focus; deflecting-electrode resistors, I megohm each for DJ $_{
m I}$ and DJ $_{
m I}$, connected to anode No.2; the tube shielded from all extraneous fields. To avoid damage to the tube, grid-No.1 voltage/should be near cutoff before application of anode voltages.

Maximum Circuit Values:

Grid-No.1-Circuit Resistance Impedance of Any Deflecting-Electrode \dots 1.5 max. megohms Circuit at Heater-Supply Frequency 1.0 max. megohm

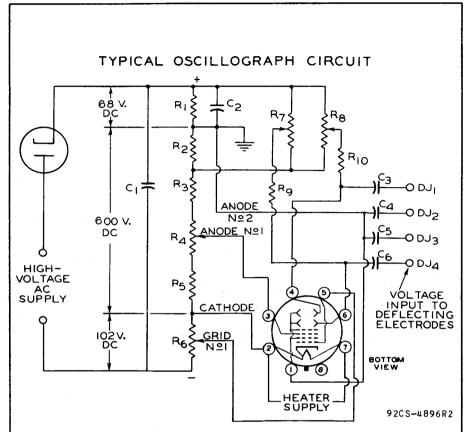
Resistance in Any Deflecting-

Electrode Circuit▲▲

It is recommended that both deflecting-electrode-circuit resistances be approximately equal.

5.0 max. megohms





C1: 0.1 µf C2: 1.0 µf C3 C4 C5 C6: 0.05-µf Blocking Capacitors*

R1 R2: 1.0 Megohm R3: 1.3 Megohms

R4: 1-Megohm Potentiometer R5: 0.3 Megohm R6: 0.5-Megohm Potentiometer R7 R8: Dual 2-Megohm Potentiometer

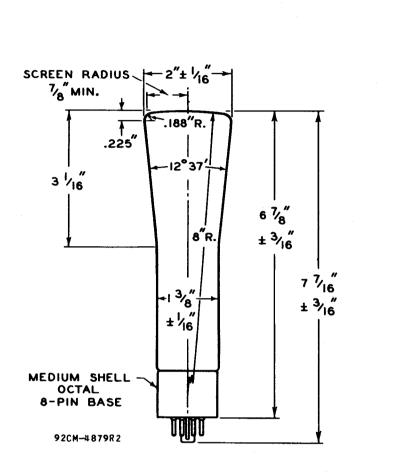
R9 R10: 2 Megohms

when cathode is grounded, capacitors should have high voltage rating; when anode No.2 is grounded, they may have low voltage rating. For dc amplifier service, deflecting electrodes should be connected direct to amplifier output. In this service, it is preferable usually to remove deflecting-electrode resistors to minimize loading effect on amplifier. In order to minimize spot defocusing, it is essential that anode No.2 be returned to a point in the amplifier system which will give the lowest possible potential difference between anode No.2 and the deflecting electrodes. and the deflecting electrodes.

The license extended to the purchaser of tubes appears in the License Notice accompanying them. Information contained herein is furnished without assuming any obligations.

902.A





¢ OF BULB WILL NOT DEVIATE MORE THAN 2° IN ANY DIRECTION FROM PERPENDICULAR ERECTED AT CENTER OF BOTTOM OF BASE

902:A



CHARACTERISTICS AVERAGE

E _f = 6.3 VOLTS ADJUSTED TO GIVE FOCUS					
	CURVE	ELECTRODE CURRENT	ANODE Nº2 & GRID Nº2 VOLTS		
	Α	ANODE Nº1	600		
	В	ANODE NºI	400		
	С	ANODE Nº 2 & GRID Nº 2	600		
	D.	ANODE Nº 2 & GRID Nº 2	400		

