Supersedes Type 908

General:	
DJ1 to All Other Electrodes 8.5 DJ3 to All Other Electrodes 6.5 Phosphor (For Curves, see front of this Section)	μμf μμf Νο.5 Blue natic 3/8" /16" 3/4" Pin 7CE ,2, g
DJ_1 and DJ_2 are nearer the screen DJ_3 and DJ_4 are nearer the base	
With DJ ₂ positive with respect to DJ ₁ , the spot is de flected toward pin I. With DJ ₄ positive with respect t DJ ₃ , the spot is deflected toward pin 6.	
The angle between the trace produced by DJ3 and DJ4 an its intersection with the plane through the tube axis an pin 6 does not exceed 10°.	
The angle between the trace produced by DJ $_3$ and DJ $_4$ an the trace produced by DJ $_1$ and DJ $_2$ is 90 $^{\rm O}$ \pm 3 $^{\rm O}$.	d
Maximum Ratings, Design-Center Values:	
ANODE-No.1 VOLTAGE	olts olts olts olts
DEFECTING ELECTRODE DOT ON DOS	,, ,,



(continued from preceding page)

	(continued from preceding page)
100	Typical Operation:
	Anode No.2 & Grid No.2 Voltage* 1000 1500 volts Anode No.1 Voltage for Focus at 75% of Grid—No.1 Volt—
	age for Cutoff [●] volts Grid-No.1 Volt. for Visual Cutoff*33 -50 volts Max. Anode-No.1 Current Range [♠] . Between -50 and +10 μamp. Deflection Sensitivity:
	DJ1 and DJ2 0.334 0.223 mm/v dc DJ3 and DJ4 0.348 0.233 mm/v dc Deflection Factor:**
	DJ1 and DJ2
	Brilliance and definition decrease with decreasing anode—No.2 voltage. In general, anode—No.2 voltage should not be less than 1000 volts. Individual tubes may require between +29% and -44% 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 ± 20%.
	Spot Position:
	The undeflected focused spot will fall within a 15-mm square centered at the geometric center of the tube face and having one side parallel to the trace produced by D1 and D12. Suitable test conditions are: anode-No.2 voltage, 1500 volts;

one side parallel to the trace produced by DJ₁ and DJ₂. Suitable test conditions are: anode-No.2 voltage, 1500 volts; anode-No.1 voltage, adjusted for focus; deflecting-electrode resistors, I megohm each for DJ₁ and DJ₃, connected to anode No.2; the tube shielded from all extraneous fields. To avoid

damage to the tube, grid-No.! voltage should be near cutoff before application of anode voltages.

Grid-No.1 Circuit Resistance 1.5 max, megohms Impedance of Any Deflecting-Electrode

Circuit at Heater-Supply Frequency 1.0 max. megohm

Resistance in Any Deflecting-

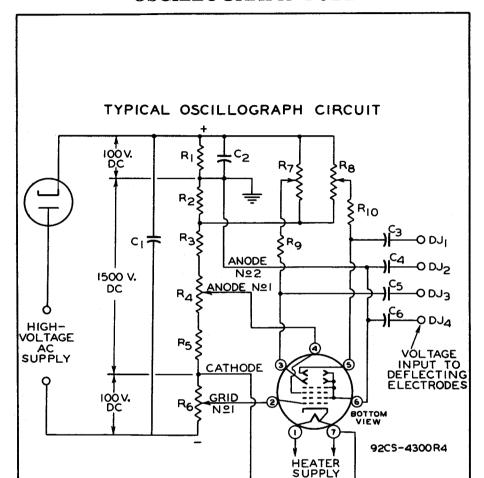
Maximum Circuit Values:

Electrode Circuit▲ 5.0 max. megohms

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

908-A





C1: 0.1 µf C2: 1.0 µf

C2: 1.0 pr C3 C4 C5 C6: 0.05-pf Blocking Capacitors*

R1 R2: 1.5 Megohms R3: 4 Megohms

R4: 2-Megohm Potentiometer R5: 1.0 Megohm R6: 0.5-Megohm Potentiometer R7 R8: Dual 3-Megohm Potentiometer

R9 R10: 2-Megohms

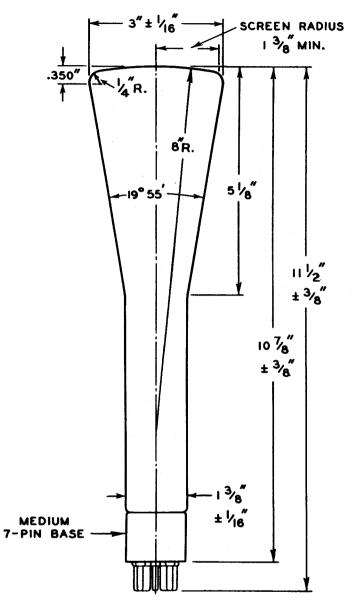
*When cathode is grounded, capacitors should have high voltage rating; when anode No.2 is grounded, they may have low voltage rating. For dc amplifier service, deflecting electrodes should be connected direct to amplifier output. In this service, it is preferable usually to remove deflecting-electrode 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.

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

908.A







92CM-4284R7

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



900.A

AVERAGE CHARACTERISTICS

 				
•				
E _f =6.3 VOLTS	\mathbf{H}			7777711111
Et-0.2 AOF12	1] 11 1			
				- 1
ANODE NºI VO	א דכ		TO GIVE	FOCUS
MINOUL INTI VO		700001100	IO GIVE	TOCOS 1
•				1

#	CURVE	ELECTRODE CURRENT	ANODE Nº2 & GRID Nº2 VOLTS
	Α	ANODE Nº I	1500
Ŧ	В	ANODE Nº I	1000
	С	ANODE Nº 2 & GRID Nº 2	1500
	D	ANODE Nº 2 & GRID Nº 2	1000

