

—Standard Valves—

4096-AB
Valve

4096 AB VALVE

HIGH VACUUM CATHODE RAY TUBE.

SPECIFICATION.

Dimensions.

Max. overall length	$10\frac{5}{8}"$ (27 cms.)
Maximum diameter	$3"$ (7.6 cms.)
Screen diameter	$2\frac{1}{2}"$ (6.4 cms.)
Net weight	0.22 lbs. (100 gms.)

Base.

American Small Shell Octal 8-pin.

Screen Colour.

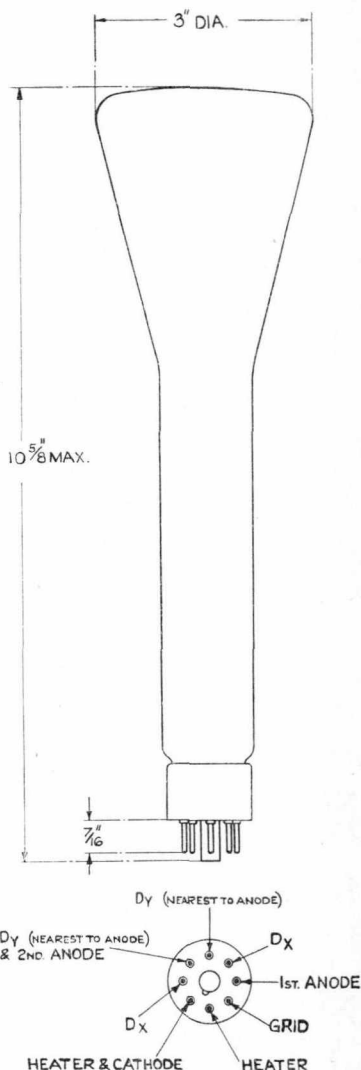
Blue.

Constants.

Heater voltage	2 volts
Nominal heater current	1.7 amps.
1st anode voltage approximately $\frac{1}{8}$ of 2nd anode voltage.	
2nd anode voltage	800—2,000 volts
Control electrode bias	0 to —20 volts
Sensitivity at 2,000 volts—	
X plates	0.13 mm per volt
Y plates	0.135 mm. per volt
Sensitivity at 1,000 volts—	
X plates	0.26 mm. per volt
Y plates	0.27 mm. per volt
Cut off voltage at 2,000 volts—	
—35 to —45 volts	
Max. current to 1st anode	300 μ A

Capacities.

X1 to X2	0.8 μ F.
Y1 to Y2	4.3 μ F.
X1 to all other electrodes	6.6 μ F.
strapped	
Y1 to all other electrodes	6.0 μ F.
strapped	
Control electrode to all others	
strapped	8.5 μ F.



TYPICAL OPERATING CONDITIONS.

1st anode voltage	120	240 volts
2nd anode voltage	1,000	2,000 volts
Grid bias	0 to —5	—10 to —15 volts

Tentative data

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