

# —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.

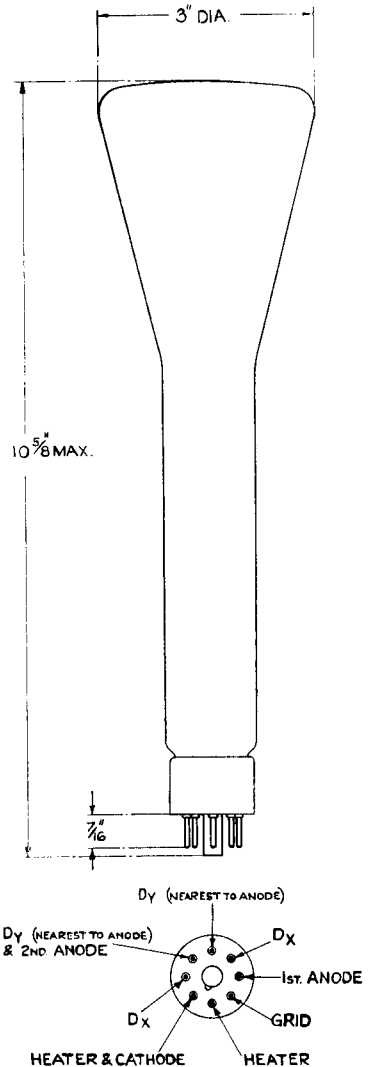
Blue.

#### 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 $\mu$ A

#### Capacities.

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