

—Standard Valves—

4063 AB Valve
-YB Valve

4063-AB AND 4063-YB VALVES

HIGH VACUUM CATHODE RAY TUBES.

SPECIFICATION.

| | 4063-AB. | 4063-YB. |
|-------------------------------------|--|--|
| Dimensions. | | |
| Maximum overall length | 21" (53.5 cms.) | 21" (53.5 cms.) |
| Maximum diameter | 6½" (15.6 cms.) | 6½" (15.6 cms.) |
| Screen diameter | 5.5" (14 cms.) | 5.5" (14 cms.) |
| Net weight | 2½ lbs. (1,100 gms.) | 2.65 lbs. (1,200 gms.) |
| Base. | Special 12 contact. | Special 12 contact. |
| Screen Colour. | Blue. | Blue. |
| Constants. | | |
| Heater voltage | 2 volts | 2 volts |
| Nominal heater current | 1.8—2 amps. | 1.8—2 amps. |
| Maximum final anode voltage | 5,000 volts | 5,000 volts |
| *Sensitivity (approx.) | $\left\{ \begin{array}{l} \text{x plates } \frac{600}{\sqrt{V_{a_3}}} \text{ mm./volt} \\ \text{y plates } \frac{700}{\sqrt{V_{a_3}}} \text{ mm./volt} \end{array} \right.$ | $\left\{ \begin{array}{l} \frac{600}{\sqrt{V_{a_3}}} \text{ mm./volt} \\ \frac{700}{\sqrt{V_{a_3}}} \text{ mm./volt} \end{array} \right.$ |
| Maximum Input power to screen | 0.01 watts per sq. cm. | 0.01 watts per sq. cm. |
| Capacities (approx.) | $\begin{array}{l} x_1 \text{ to } x_2 \quad 2.0 \mu\mu\text{F.} \\ x_1 \text{ or } x_2 \text{ to E} \quad 16 \mu\mu\text{F.} \\ y_1 \text{ to } y_2 \quad 1.1 \mu\mu\text{F.} \\ y_1 \text{ or } y_2 \text{ to E} \quad 10 \mu\mu\text{F.} \\ G \text{ to E} \quad 18 \mu\mu\text{F.} \end{array}$ | $\begin{array}{l} 2.0 \mu\mu\text{F.} \\ 16.0 \mu\mu\text{F.} \\ 1.2 \mu\mu\text{F.} \\ 3.5 \mu\mu\text{F.} \\ 18.0 \mu\mu\text{F.} \end{array}$ |
| Conductance of any plate pair | $< \frac{1}{10} \mu\text{Mho.}$ | $< \frac{1}{10} \mu\text{Mho.}$ |
| * V_{a_3} is third anode voltage. | | |

OPERATING CONDITIONS.

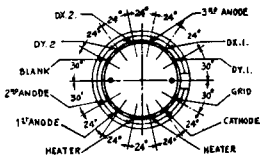
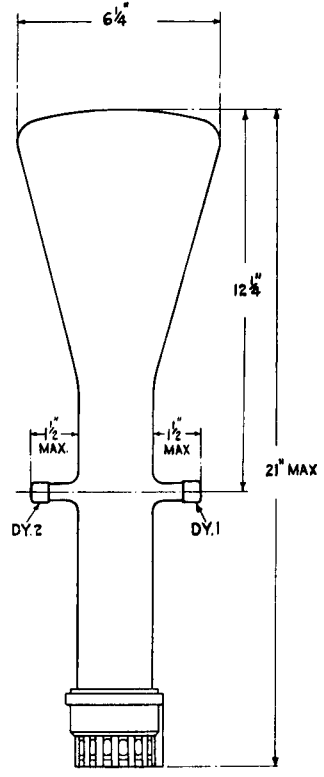
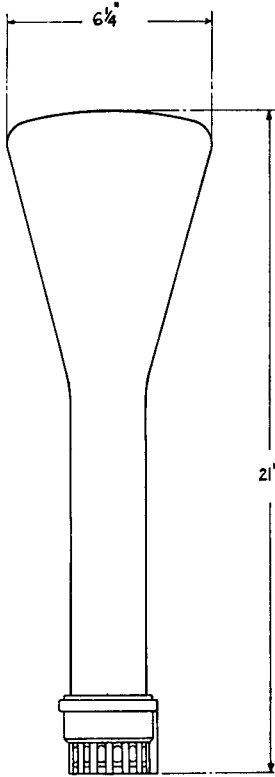
| | |
|----------------------------------|--|
| 3rd anode voltage | 5,000 volts |
| 2nd " " | approx. $0.27 \times V_{a_3}$ (adjust for focus) |
| 1st " " | 150 volts |
| Grid bias for maximum brilliancy | 0 to -5 volts |
| " " cut-off | -30 volts (approx.) |
| " " base for modulation | 30 volts |

Tentative data

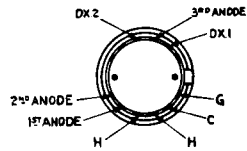
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