

# —Standard Valves—

4048-A  
Valve

## 4048-A VALVE

HALF WAVE, HOT CATHODE MERCURY VAPOUR RECTIFIER.

### SPECIFICATION.

#### Cathode.

Oxide coated filament.  
Constant current type.

#### Base.

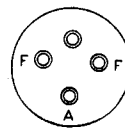
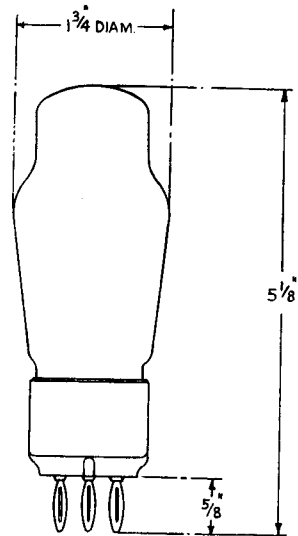
Standard British 4-pin.

#### Dimensions.

Overall length  $5\frac{1}{8}"$  (13 cms.).  
Bulb diameter  $1\frac{3}{4}"$  (4.5 cms.).  
Net weight 0.1 lbs. (45 gms.)

#### Constants.

Filament current 5 amps.  
Nominal filament voltage 1.8 volts  
Maximum peak inverse voltage 1,600 volts  
Maximum peak anode current 0.75 amps.  
Time delay 30 secs.  
Heating period after transport 15 mins.  
Recommended ambient temperature range  $10^{\circ}\text{C}.$ — $50^{\circ}\text{C}.$



Note :—For further information on H.C.M.V. rectifiers, see sheet G.I.

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## TYPICAL OPERATING CONDITIONS.

Circuit	Number of valves	Load potential in volts	Load current in amps.
2	2	500	0.45
3	4	1,000	0.45
4	3	750	0.55
5	6	750	1.4
6	6	1,500	0.7

**Important.**—This rectifier being directly heated, the output circuit must be connected to the mid-point of the filament transformer.

