

4053-A VALVE

SINGLE ENDED WATER COOLED TRIODE.

SPECIFICATION.

Cathode.

Pure Tungsten filament.
Constant voltage type.

Water Jacket.

Type PL.120705/B.

Water Flow.

7 gallons per minute.

Dimensions.

Overall length	29.2" (74 cms.)
Bulb diameter	3½" (8.9 cms.)
Net weight	4½ lbs. (2,100 gms.)

Constants.

Filament voltage 17.5—19.5 volts
(exact filament voltages for 3 amps.
and 7 amps. emission are marked
on bulb)

Nominal filament
current 64.5—66.8 amps.

Total emission 3—7 amps.

*Impedance 830 ohms

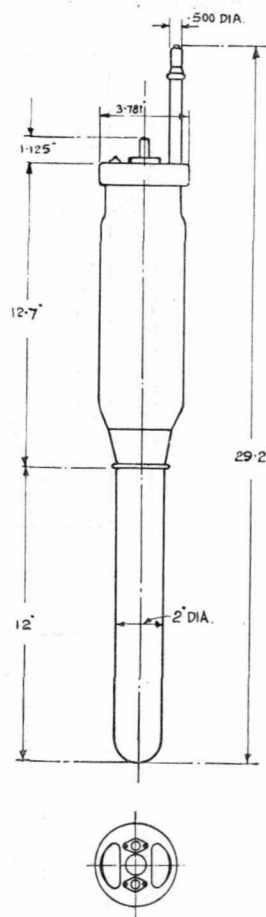
*Amplification factor 6.5

Grid-anode capacity 40.5 $\mu\mu\text{F}$.

Anode-filament capacity 3.5 $\mu\mu\text{F}$.

Grid-filament capacity 36.5 $\mu\mu\text{F}$.

* at anode current of 1 amp.



LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage

11,000 volts

Maximum anode dissipation

12 Kw.

V.4053-A.1
Nov. 1937

—Standard Valves—

TYPICAL OPERATING CONDITIONS.

Class A — Audio frequency Modulator
For Series Modulation

Total H.T. voltage across mod. and mod. amp. in series
Anode voltage
Anode current
Grid bias
Peak AF grid voltage
Peak AF output voltage
AF output power

18,000 volts
12,000 volts
0.75 amps.
—1,600 to —1,800 volts
850 volts
6,000 volts
4.5 Kw.

