

3067-A VALVE

SINGLE ENDED WATER COOLED TRIODE.
FOR USE WITH D.C., SINGLE OR TWO PHASE A.C.

SPECIFICATION.

Cathode.

Pure Tungsten filament.
Constant voltage type.

Water Jacket.

Type PL.122642/A

Water Flow.

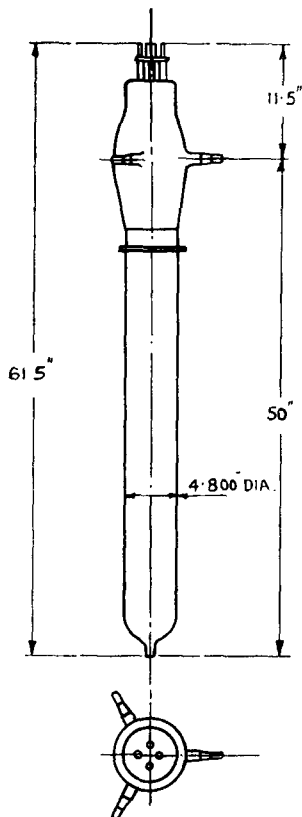
40 gallons per minute.

Dimensions.

Overall length	61 $\frac{1}{2}$ " (156 cms.)
Anode diameter	4.8" (12.2 cms.)
Net Weight	40 lbs. (18,000 gms.)

Constants.

Filament voltage	35 volts
Nominal filament current	240 amps.
Total emission	100 amps.
Impedance	900 ohms.
Amplification factor	36
Grid-anode capacity	145 $\mu\mu\text{F}$.
Anode-filament capacity	38 $\mu\mu\text{F}$.
Grid-filament capacity	110 $\mu\mu\text{F}$.



LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	17,500 volts
Maximum direct anode current	25 amps.
Maximum anode dissipation	160 Kw.
Maximum grid dissipation	3,000 watts
Maximum frequency for above ratings	2 Mc.
Maximum anode voltage for frequency of 22 Mc.	15,000 volts

Note :—All enquiries should be addressed to :—

Les Laboratoires L.M.T.,
46, Avenue de Breteuil,
Paris.

—Standard Valves—

TYPICAL OPERATING CONDITIONS.

	Class B A.F. Amp. and Mod. For balanced 2 valve circuit
Direct anode voltage	12.5 Kv.
Grid bias	—250 volts
Direct anode current per valve—zero signal	2.6 amps.
Direct anode current per valve—maximum signal	13 amps.
Anode dissipation	73 Kw.
Load resistance—anode to anode	850 ohms.
Maximum output—2 valves	180 Kw.

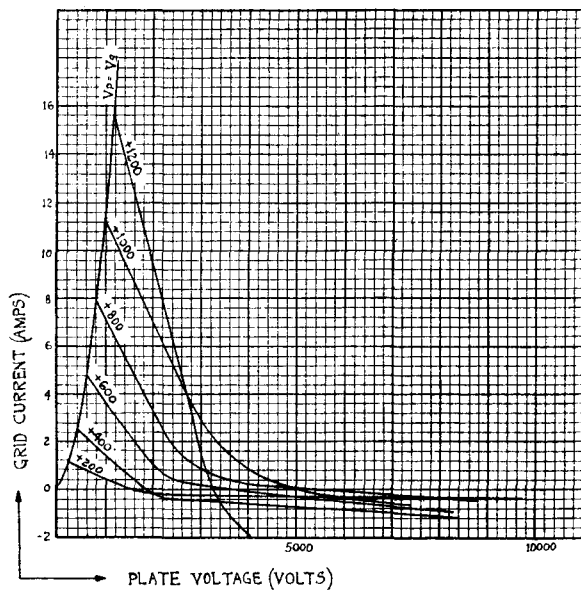
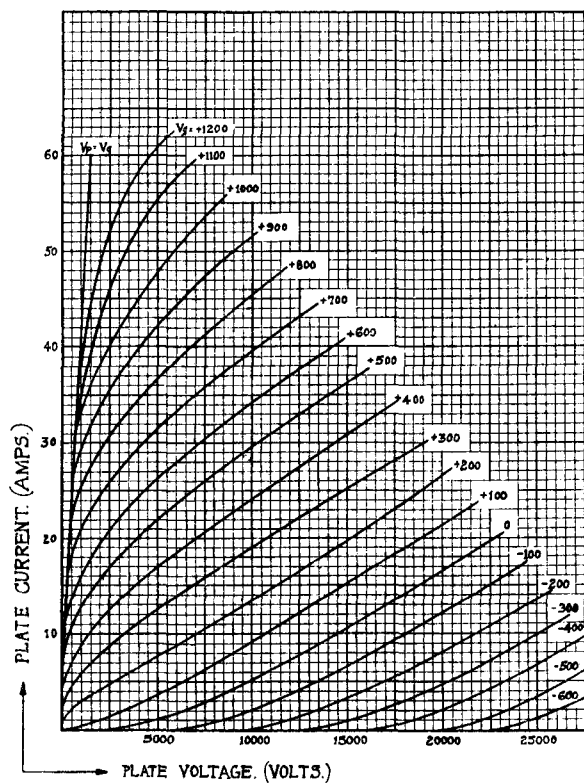
RADIO FREQUENCY OPERATION.

	Class B Telephony			
	Modulated Carrier applied to grid			
Direct anode voltage	17.5	15	12	10 Kv.
Direct anode current	9.6	9.6	9.6	9.6 amps.
Grid bias	—400	—300	—200	—150 volts
Power output	50	43	34	24 Kw.
Anode dissipation	118	101	81	72 Kw.
FREQUENCY	2	12	19	22 Mc.

	Class C Telephony				Class C Telegraphy			
	Subject to anode modulation				Unmodulated			
Direct anode voltage	12	11	10	9	17.5	15	12	10 Kv.
Direct anode current	10	10	10	10	19.2	19.2	19.2	19.2 amp.
Grid bias	—500	—450	—400	—350	—500	—300	—200	—150 to
Carrier output	80	70	60	40	—650	—450	—350	—300 volts
Anode dissipation	40	40	40	50	200	172	136	96 Kw.
					136	112	94	96 Kw.
FREQUENCY	2	12	19	22	2	12	19	22 Mc.

—Standard Valves—

3067-A
Valve



Tentative data

V.3067-A.2
Nov. 1937

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