



Triode

3B/100B

CATHODE.

Indirectly-heated oxide-coated

Voltage	4	V
Nominal current	1.1	A

RATING.

Amplification factor	} V_a 200V V_{g_1} -10V }	10	Ω
Impedance		2,000	

DIRECT INTER-ELECTRODE CAPACITIES.

Grid to anode	7.5	pF
Grid to cathode	10.3	pF
Anode to cathode	4.8	pF

DIMENSIONS.

Maximum overall length	122	mm.
Maximum bulb diameter	46	mm.
Base : British 5 pin		
Net weight	50	g.

MAXIMUM RATINGS.

Maximum direct anode voltage	200	V
Maximum direct anode current	50	mA
Maximum anode dissipation	10	W



TYPICAL OPERATING CONDITIONS.

AUDIO FREQUENCY.

Class A Amplifier.

Anode voltage volts	Grid bias volts	Anode current mA	Load resistance ohms	Power output mW	Total harmonics db
100	-4	23	8,000	10	38
100	-4	23	8,000	50	31
150	-6	40	10,000	50	35
150	-6	40	10,000	100	32
200	-10	40	10,000	50	37
200	-10	40	10,000	250	30

Class B Power Amplifier or Modulator.

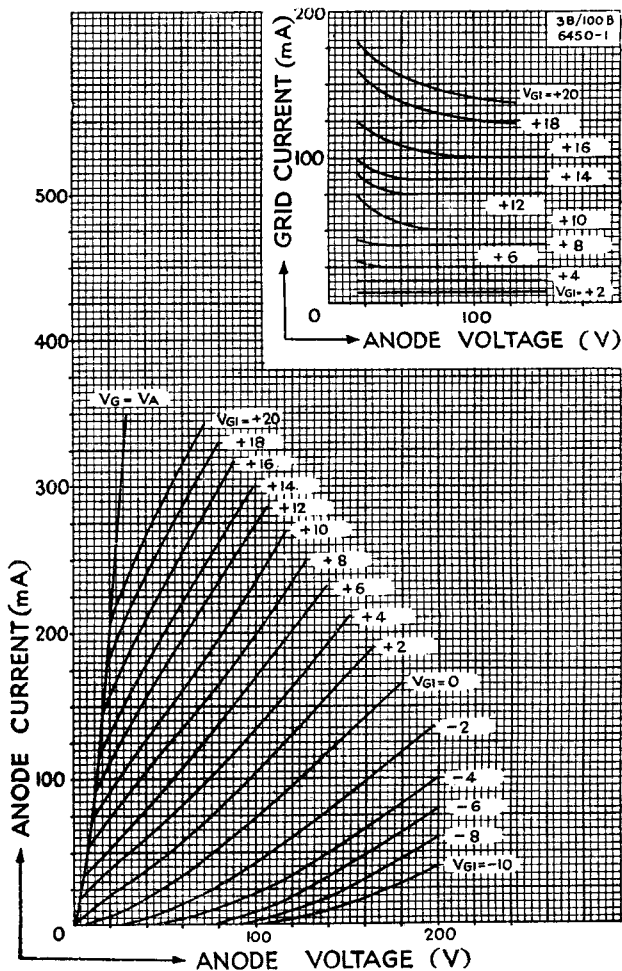
(For balanced 2-valve circuit).

Direct anode voltage	200	V
Grid bias	-16	V
Direct anode current per valve— minimum signal	8	mA
Direct anode current per valve— maximum signal	50	mA
Load resistance—anode to anode	4,200	Ω
Power output for 2 valves	12.5	W approx.



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