



Triode

3B/100B

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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			

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

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TYPICAL OPERATING CONDITIONS.

AUDIO FREQUENCY.

Class A Amplifier.

Anode voltage	Grid bias	Anode current	Load resistance	Power output	Total harmonics
volts	volts	mA	ohms	mW	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.

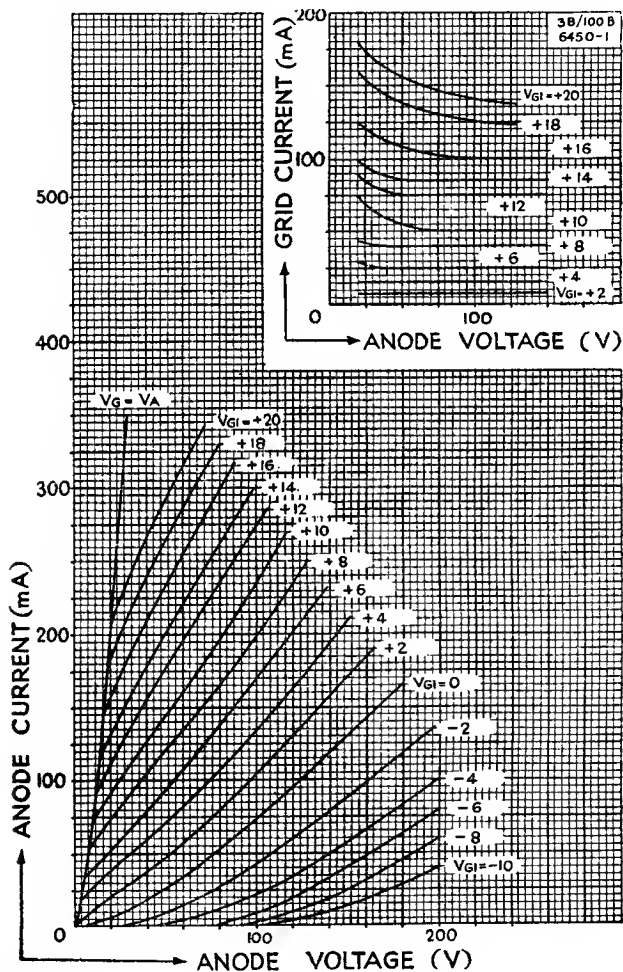
(For balanced 2-valve circuit).

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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