



Triode

3B/252B
(4033L)

4033L

CATHODE.

Indirectly heated oxide-coated.

Heater voltage	6	V
Nominal current	1.4	A

RATING.

Amplification factor	Measured at V_a 400 V V_g -20 V	15 1,670 ohms
Impedance		

DIRECT INTER-ELECTRODE CAPACITIES.

Grid to anode	8	pF
Grid to cathode	4	pF
Anode to cathode	10	pF

DIMENSIONS.

Maximum overall length	125	mm.
Maximum bulb diameter	56	mm.
Base : Standard 5 pin British		
Net weight	60	g.

MAXIMUM RATINGS.

Maximum direct anode voltage	600	V
Maximum direct anode current	0.170	A
Maximum anode dissipation	25	W
Maximum direct grid current	0.030	A
Maximum frequency for above ratings	45	Mc/s

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TYPICAL OPERATION

AUDIO FREQUENCY

Class B Power Amplifier and Modulator (For balanced 2-valve circuit).

Direct anode voltage	600	600 V
Grid bias	—55	—55 V
Direct anode current per valve —zero signal	17	17 mA
Direct anode current per valve —maximum signal	82	71 mA
Load resistance—anode to anode	6,800	6,800 ohms
Peak A.F. Grid to grid voltage	132	112 V
*Direct grid current per valve	7	1.5 mA
Output	48	40 W
Distortion	9%	5%

RADIO FREQUENCY

Class C Power Amplifier or Oscillator unmodulated.

Direct anode voltage	600	V
Grid bias	—65	V
Direct anode current	120	mA
Peak R.F. grid voltage	140	V
*Direct grid current	20	mA
Power output	55	W

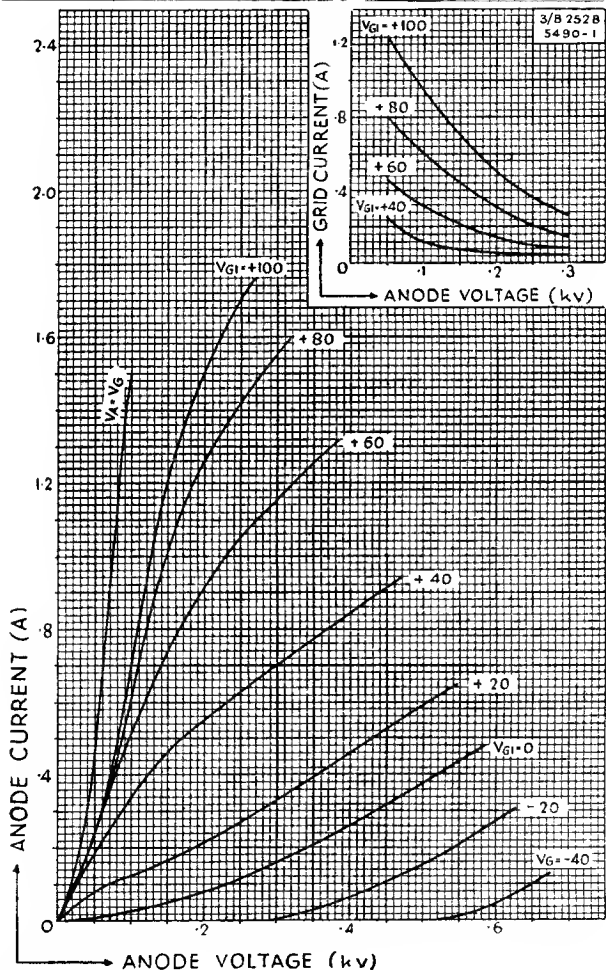
*Subject to wide variation depending upon the impedance of the load circuit.



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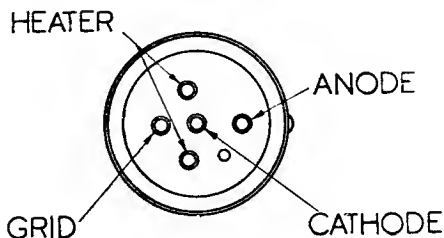
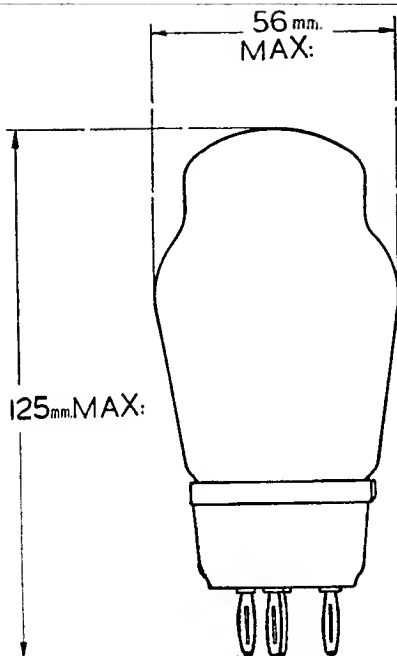
Tentative Data
September, 1945

3B/252B—3

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Tentative Data
September, 1945

3B/252B—4