VALVE TYPE 3B/101-B
TRIODE.

SPECIFICATION.

Cathode.
Indirectly heated oxide coated.
Constant voltage type.

Base.
Standard British 5-pin.

Dimensions.
Maximum overall length 4½" (10-8 cms.)
Bulb diameter 1·65" (4·2 cms.)
Net weight 0·11 lbs. (50 gms.)

Constants.
Heater voltage 4 volts
Nominal heater current 1·0 amps.
*Amplification factor 50
*Impedance 10,000 ohms
*Mutual conductance 5·0 mA. per volt
Grid–anode capacity 5·3 μF.
Grid–cathode capacity 10·5 μF.
Anode–cathode capacity 7·5 μF.

* at Vp = 200, Vg1 = —2 volts.

LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage 200 volts
Maximum direct anode current 25 mA.

Tentative data
### TYPICAL OPERATING CONDITIONS

<table>
<thead>
<tr>
<th>Anode Voltage Volts</th>
<th>Grid Bias Volts</th>
<th>Anode Current mA</th>
<th>Load Resistance Ohms</th>
<th>Power Output mW.</th>
<th>Total Harmonics db.</th>
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<td>5</td>
<td>31.5</td>
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<tr>
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</tbody>
</table>

**ANODE CURRENT (MILLIAMPS)** vs **ANODE VOLTAGE (VOLTS)**

- The graph shows the relationship between anode current and anode voltage for different anode voltages.
- The curves indicate how the anode current changes with respect to anode voltage under various grid bias conditions.