DOUBLE-DIODE-TRIODE

T.D.D.4

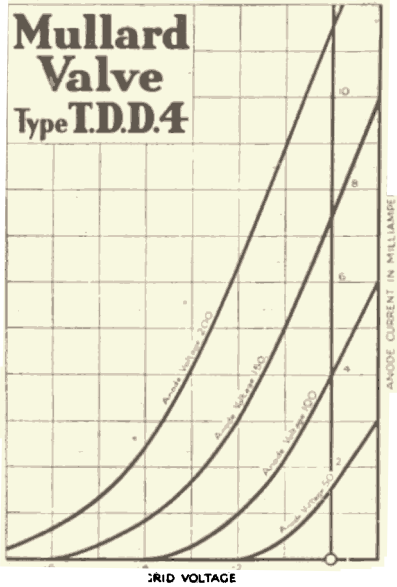
OPERATING DATA

Heater Voltage	.. ..	4·0 V.
Heater Current	.. ..	1·2 A.
Max. Anode Voltage	.. ..	200 V.

TRIODE CHARACTERISTICS.

At Anode Volts 100 ; Grid Volts Zero.

Anode Impedance	15,000 ohms.
Amplification Factor	30
Mutual Conductance	2·0 mA./V.



APPLICATION.

The normal method of employing the T.D.D.4 is to use one diode as speech detector and the other diode for A.V.C., the triode portion being employed as a low frequency amplifier. A suitable circuit is shown on page 90. Alternatively the two diodes can be used in push-pull for full-wave rectification. Grid bias should be applied to the triode amplifier according to the following table, while for auto-bias a 1,000-ohms resistor should be used.

Anode Voltage.	Approx. Neg. Grid Bias Voltage.	Approx. Anode Current (mA.).
100	1·5	1·5
150	2·5	2·5
200	3·5	3·5

For resistance-capacity coupling the optimum value of load resistance is 75,000 ohms.

BASE.

Standard 7-pin. For connections see page 91.

BULB FINISH.

This valve is supplied with metallised bulb only.