

# TYPE T.D.D.4

## OPERATING DATA.

Heater Voltage	...	...	4.0 V.
Heater Current	...	...	1.2 A.
Max. Anode Voltage	...	...	200 V.

**APPLICATION.** The T.D.D.4 is an A.C. mains valve comprising two diodes and one triode in a single bulb. The diode portion can be used for detection and the triode portion as low frequency amplifier.

Several alternative methods of employing this valve are possible. The two diodes can be used in push-pull to obtain full wave rectification, or one diode can be used as a half wave rectifier, the other being employed to obtain automatic volume control.

This valve is supplied with metallised bulb only.

**BASE.** Standard 7-pin. For connections see page 63.

**GRID BIAS.** Negative grid bias should be applied to the triode portion in accordance with the following table

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

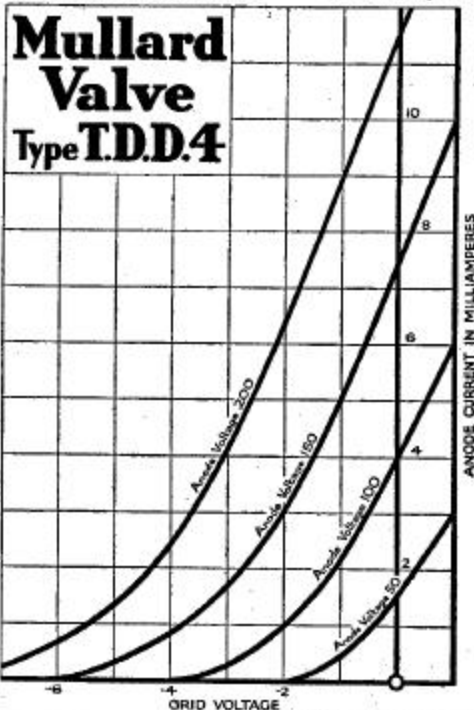
For "automatic" bias the value of the biasing resistance is approximately 1,000 ohms.

**PRICE 15/6**

# MULLARD A.C. DOUBLE DIODE TRIODE

**TRIODE CHARACTERISTICS.**  
(At Anode volts 100 ; Grid volts Zero.)

Anode Impedance	...	15,000 ohms.
Amplification Factor...	...	30
Mutual Conductance	...	2.0 mA./V.



**Mullard**  
**THE MASTER VALVE**

