

# MULLARD DIRECTLY HEATED A. C. MAINS OUTPUT VALVE

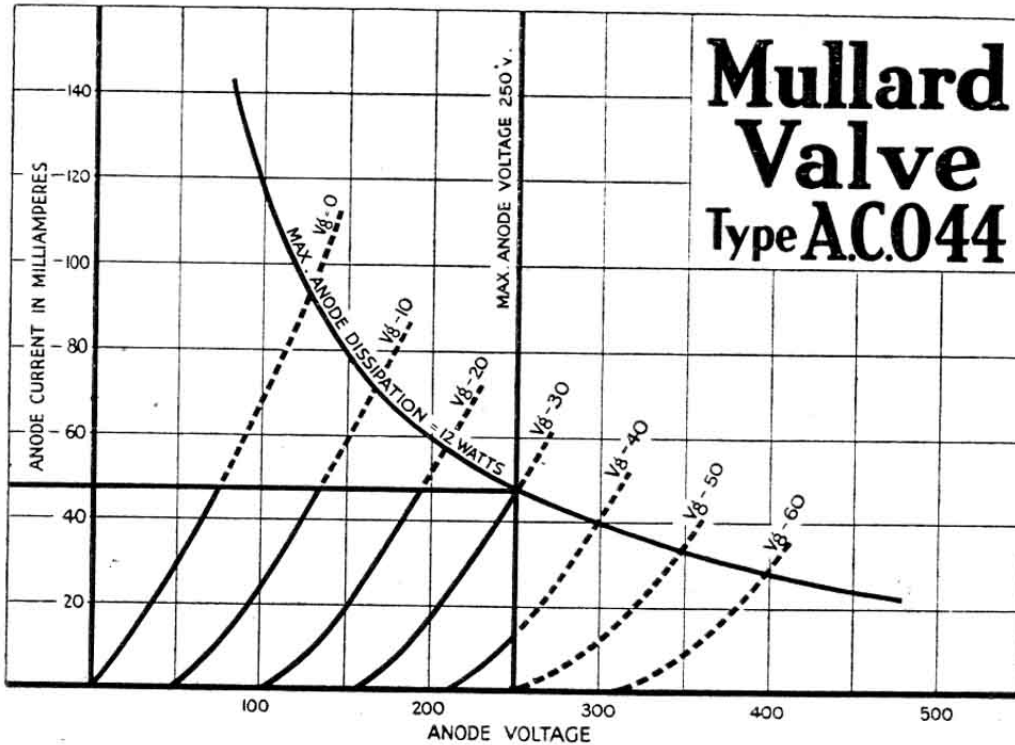
# TYPE A.C.044

## OPERATING DATA.

Filament Voltage ... 4.0 V.  
 Filament Current ... 1.0 A.  
 Max. Anode Voltage ... 250 V.  
 Optimum Load ... 2,400 ohms.

## CHARACTERISTICS.

(At Anode volts 100; Grid volts Zero.)  
 Anode Impedance ... 950 ohms.  
 Amplification Factor ... 6.4  
 Mutual Conductance ... 6.8 mA./V.



## APPLICATION.

As Output Valve in A.C. all-mains receivers and amplifiers where sufficient output is required to operate a large moving coil speaker. At maximum anode voltage, a grid excitation of approximately 21 V. R.M.S. is required to load the A.C.044.

## GRID BIAS.

Negative grid bias should be applied to the A.C.044 in accordance with the following table. Grid bias can be applied automatically by the arrangement shown in diagram No. 4 on page 56. The

value of the biasing resistance for anode volts 250 is 625 ohms. It is recommended that a fixed resistor of 500 ohms and a variable resistor of 250 ohms be used in series, thus providing a margin for adjustment

Anode Voltage	Approx. Neg. Grid Bias Voltage	Approx. Anode Current (mA.)
150	16.0	33.0
200	22.0	43.0
250	30.0	48.0

**PRICE 16/6**



# Mullard

**THE MASTER VALVE**

