

# MULLARD DIRECTLY HEATED A. C. MAINS OUTPUT VALVE

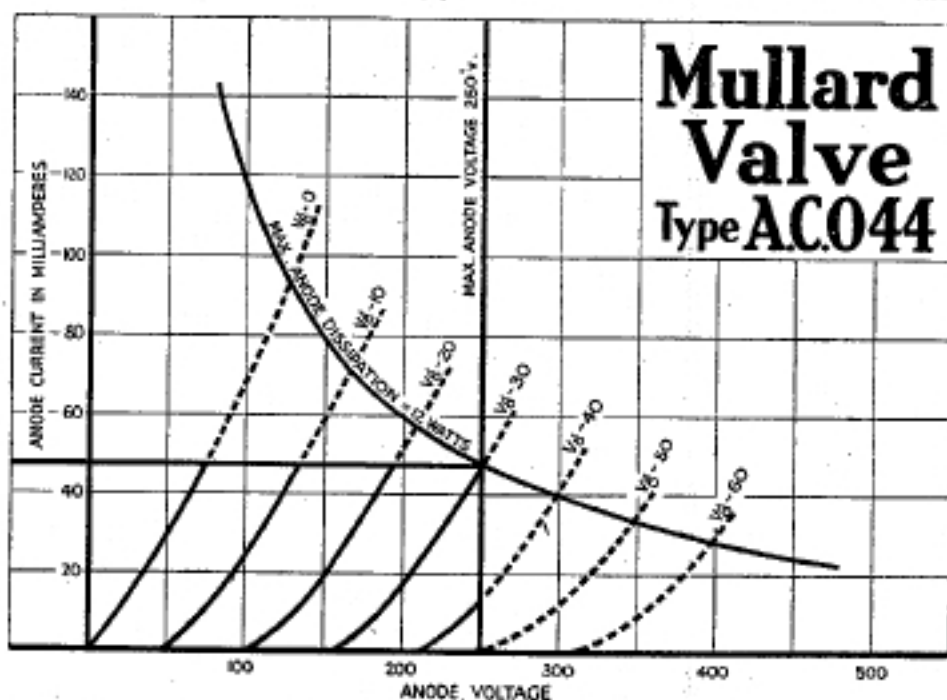
# TYPE A.C.044

## 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

