

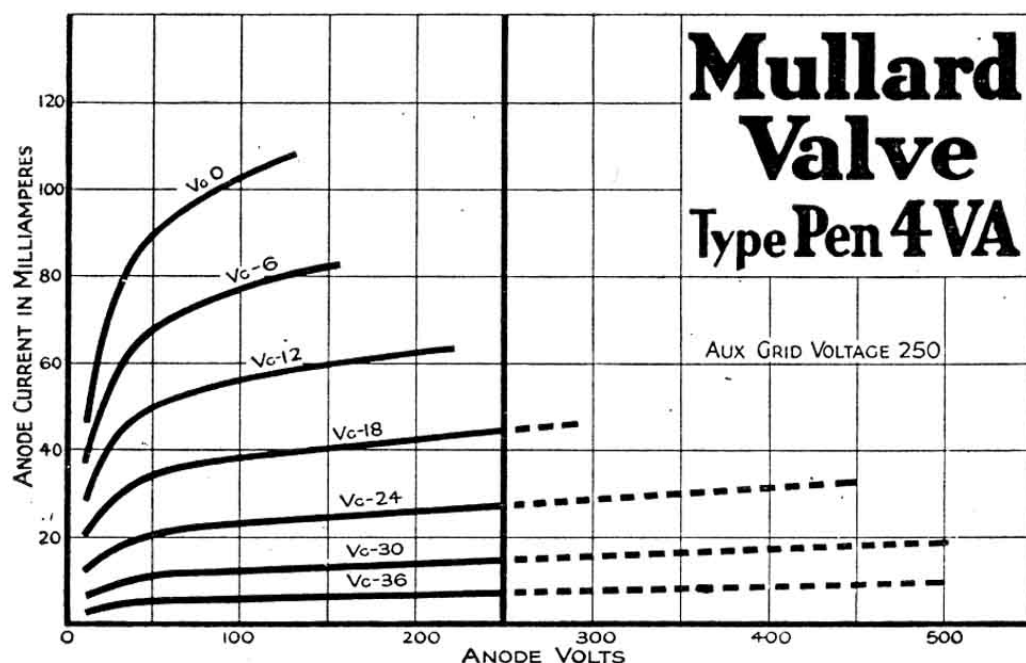
MULLARD INDIRECTLY HEATED A.C. MAINS PENTODE

TYPE PEN.4VA

OPERATING DATA.

Heater Voltage	...	4.0 V.	
Heater Current	...	1.5 A.	(At Auxiliary Grid volts 100 ;
Max. Anode Voltage	...	250 V.	Control Grid volts Zero.)
Max. Auxiliary Grid Voltage	250 V.	Mutual Conductance ... 3.5 mA./volt.
Optimum Load	...	6,000 ohms.	

APPLICATION. As output valve the PEN. 4VA will handle considerably larger input signals than the PEN. 4V, and will give a substantially greater A.C. output.



Owing to its high effective amplification it may be used in all A.C. mains receivers having no other low frequency stage.

BASE.

Standard 7-pin.
For connections see page 63.

GRID BIAS. Negative grid bias should be applied to the PEN. 4VA according to the accompanying table. Bias should be applied automatically by the arrangement shown in diagram No. 5 on Page 56. The value of the biasing resistance for anode volts 250 is 500 ohms. It is recommended that a fixed resistor of 400 ohms and a variable resistor of 250 ohms be used in series, thus providing a margin for adjustment.

PRICE 18/6

Auxiliary Grid Voltage	Approx. Neg. Grid Bias Voltage	Approx. Anode Current (mA.)
250	22.0	32.0



Mullard

THE MASTER VALVE

