Osram Valves

Made in England.

Maximum Dimensions :
Overall length 77 m/m.
Diameter of bulb 29 m/m.

For prices see pages 126-129.

TYPE A537

TRIODE FOR MICROPHONE AMPLIFIERS,

With Indirectly Heated Cathode.

(For operation from low tension battery).

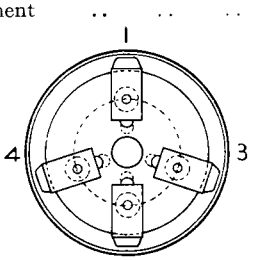
The OSRAM A537 is a Triode suitable for use in the initial stages of microphone amplifiers. The particular feature of the A537 is its very low order of microphony and background noise, thus enabling a high gain amplifier to be employed in conjunction with microphones of the condenser type. The small physical dimensions of the valve afford ready portability and enable the valve to be built in as an integral part of the microphone equipment. The A537 is fitted with an Indirectly Heated Cathode.

CHARACTERISTICS.

Filament Volts	4.0 max.			
Filament Current	0.4 amp.			
	Max.			
Anode Volts	150	100		50
Amplification Factor		15.5		
Impedance		10,000 ohms.		
Mutual Conductance		1.55 ma./v.		
		(measured at grid volts, 0)		
Grid Bias volts	—6	—3		—2.0
Anode Current, average	3.3 ma.	3.0 ma.		1.0 ma.

Interelectrode Capacities :—

Anode-Grid	1.7 micro-microfarad approx.
Grid-Filament	1.4 „ „ „
Anode-Filament	1.5 „ „ „



VIEW OF UNDERSIDE OF BASE

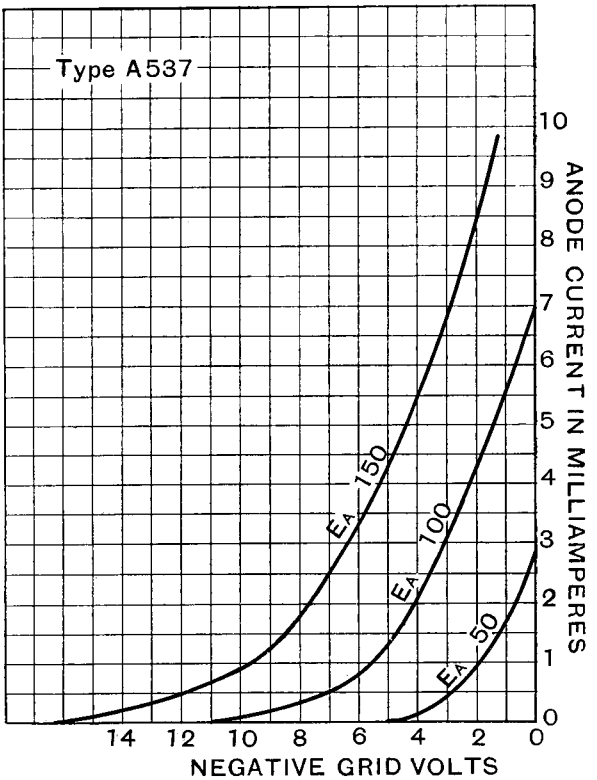
BASE.
Small 4 side-contact type.

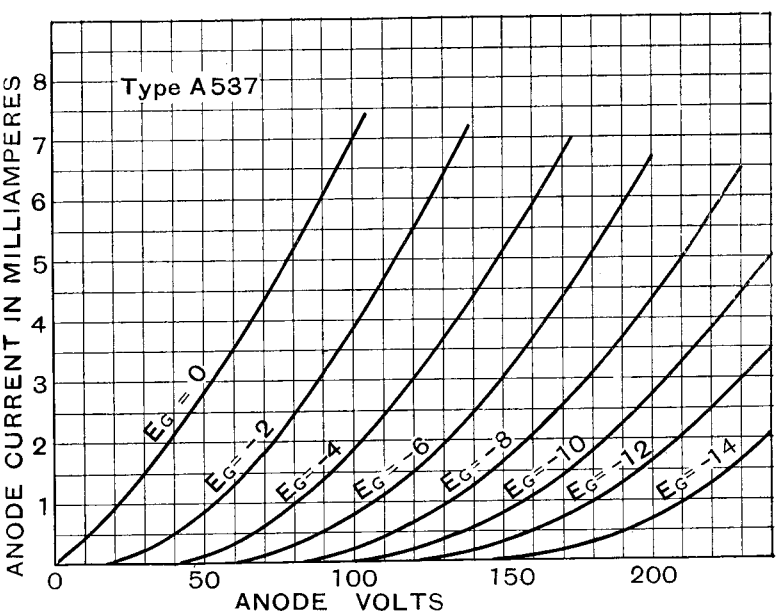
Pin 1 : Anode.
2 : Cathode.
3 : Filament.
4 : Filament.
Top Cap : Grid.

OPERATING CONDITIONS.

Type A537 is intended for use on a D.C. (Battery) filament supply. If an attempt is made to employ A.C. filament heating, some hum may be experienced when used in a high gain amplifier.

TYPE A537





CHARACTERISTIC CURVES OF AVERAGE VALVE.