

Osram Valves

Made in England



Maximum Dimensions :
Overall length (including pins)
152 m/m.
Diameter of bulb 57 m/m.

TYPE N43 SCREENED OUTPUT PENTODE

With Indirectly Heated Cathode
(For operation from A.C. Mains).

The OSRAM N43 is an Indirectly Heated Pentode designed to combine high sensitivity, large undistorted power output and a low value of interelectrode capacity. To achieve these results the type has a high value of mutual conductance and employs an electrode design with the grid taken to a top cap connection which results in a value of anode-grid capacity considerably lower than in the normal power amplifying pentode.

Type N43 is thus particularly applicable to high quality receivers or amplifiers, or to the output stage of the vision channel in Television Receivers which are required to deal with a very wide band of audio frequencies without attenuation.

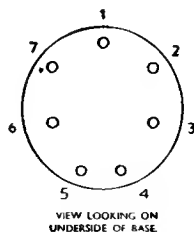
CHARACTERISTICS.

Heater Volts	..	..	..	..	..	..	4.0	
Heater Current	..	..	..	..	..	..	2.0 amps. approx.	
							Max.	
Anode Volts	..	..	..	..	..	..	250	250
Screen Volts	..	..	..	..	..	..	250	200
Grid Volts	..	..	..	..	..	..	-4.5	-3.5
Anode Current average	..	..	..	..	..	..	40 mA	32 mA
Screen Current average	..	..	..	..	..	..	10 mA	8 mA
Anode Dissipation	..	..	..	..	..	..	10 watts	8 watts
Mutual Conductance	..	..	..	..	..	..	10.0 mA/volt	10.0 mA/volt
Optimum Load Resistance	..	..	..	..	..	..	5,400	7,800 ohms.
Automatic Bias Resistance	..	..	..	..	..	..	90	90 ohms

Interelectrode Capacities :

Grid to Anode	..	..	..	..	..	..	0.3 m.mfd.
Anode to other Electrodes (Output)	..	..	..	..	..	..	16.5 "
Grid to other Electrodes (Input)	..	..	..	..	..	..	15.5 "

For prices see
pages 126-129.



BASE, 7-pin.

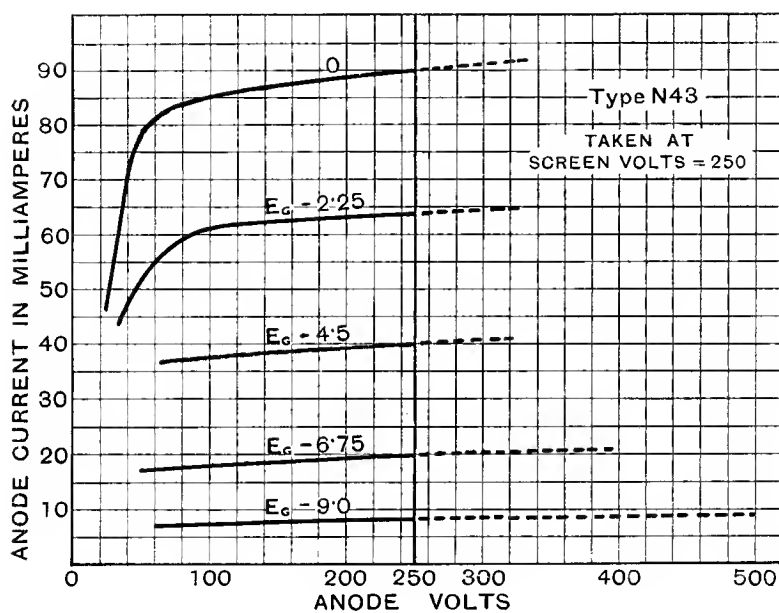
Pin 1: —
2: —
3: Screen
4: Heater
5: Heater
6: Cathode
7: Anode
Top Cap: Grid

TYPICAL OPERATING CONDITIONS.

Owing to the high sensitivity a grid stopping resistance is recommended, but the total resistance in the grid circuit should in no case exceed 500,000 ohms.

Type N43 should only be employed with full automatic grid bias.

TYPE N43



CHARACTERISTIC CURVES OF AVERAGE VALVE.