Osram
VALVES

B65 DOUBLE TRIODE

DESCRIPTION

Type B65 is an indirectly heated double triode with separate cathodes. The valve is electrically interchangeable with the American type 6SN7GT.

RATINGS

Heater Voltage	6·3	volts
Heater Current	0·6	approx. amp
	Each unit	
Anode Voltage	300	max. volts
Anode Dissipation	2·5	max. watts
Control Grid Voltage	0	volts
D.C. Heater/Cathode Voltage	150	max. volts
Cathode Current	20	max. mA
Amplification Factor*	20	
Impedance*	7,700	ohms
Mutual Conductance*	2·6	mA/V

*Measured at Va=250 ; Vg1=−8.

Capacitances :	Triode′	Triode″	
Control Grid to Anode	4·5	4·5	approx. pF
Control Grid to Cathode	3·5	3·7	,,
Anode to Cathode	1·5	1·2	,,
Anode′ to Anode″	1·0		,,

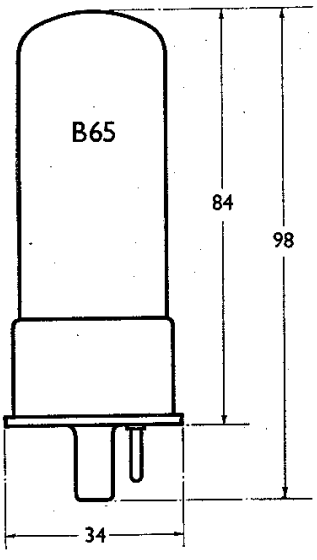
OPERATING CONDITIONS (each unit)

Class A Amplifier

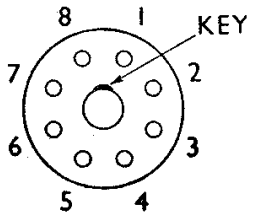
Anode Supply Voltage	250	250	volts
Anode Current	5·75	6·65	mA
Control Grid Voltage	−2·52	−1·46	volts
Cathode Resistor	440	220	ohms
Anode Resistor	22,000	22,000	ohms
Stage Gain	15·5	16	

Under maximum rated conditions the D.C. resistance in the grid circuit should not exceed 1 megohm per unit.

DIMENSIONS



BASE



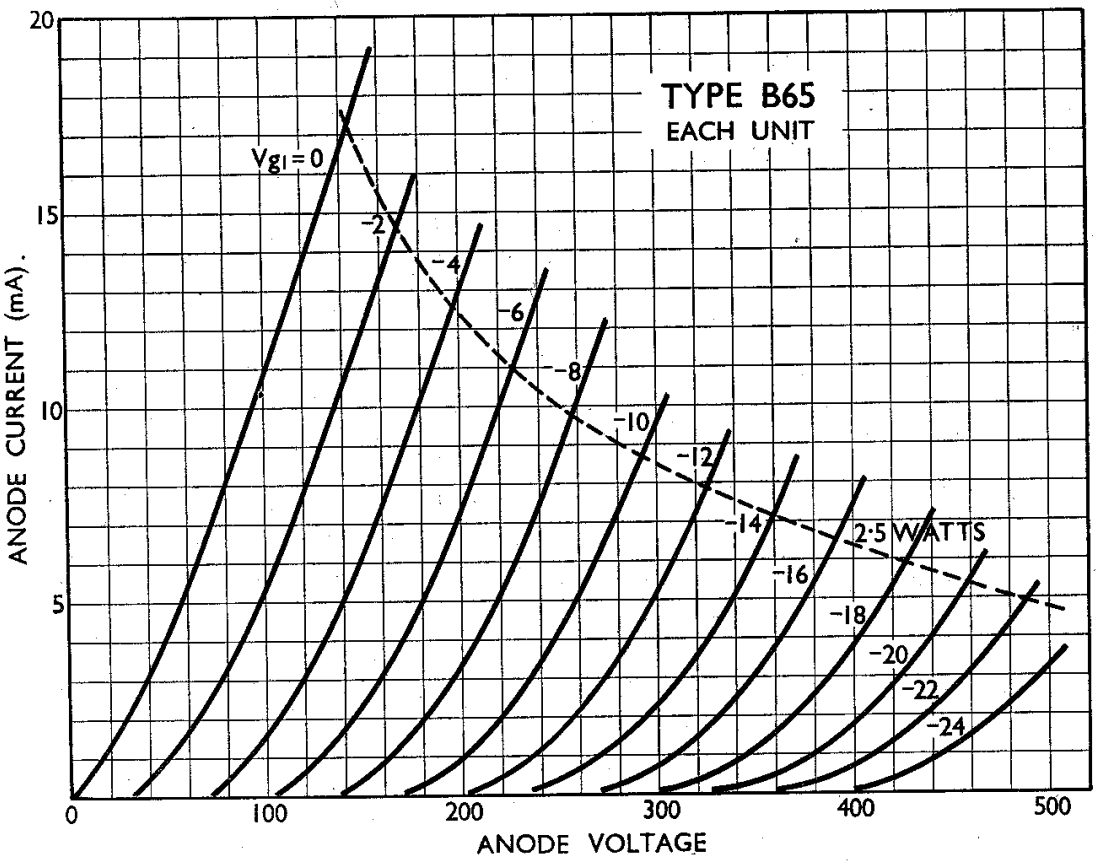
View looking on underside of base.

8-PIN OCTAL

Pin 1 : Control Grid″
2 : Anode″
3 : Cathode″
4 : Control Grid′
5 : Anode′
6 : Cathode′
7 : Heater
8 : Heater

All dimensions are in mm. and are the maximum except where otherwise stated.

TYPE B65



CHARACTERISTIC CURVES OF AVERAGE VALVE.