Osram
VALVES

W17 VARIABLE-MU SCREENED PENTODE

DESCRIPTION

Type W17 is a miniature variable-mu pentode, suitable for dry battery operation. The W17 is interchangeable with the American type 1T4.

RATINGS

Filament Voltage	1·4	volts
Filament Current	0·05	approx. amp
Anode Voltage	90	max. volts
Screen Voltage	67·5	max. volts
Cathode Current	5·5	max. mA
Anode Impedance*	0·5	megohm
Mutual Conductance*	0·9	mA/V

* measured at Va = 90 ; Vg_2 = 67·5 ; Vg_1 = 0.

Capacitances (taken with external screening) :

Control Grid to all other electrodes	4·5	approx. pF
Anode to all other electrodes	7·5	,, ,,
Anode to Control Grid	0·006	,, ,,

OPERATING CONDITIONS

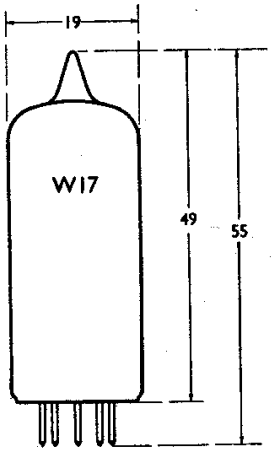
Class A Amplifier

Anode Voltage	90	90	67·5	45	volts
Anode Current	3·5	1·8	3·4	1·7	mA
Screen Voltage	67·5	45	67·5	45	volts
Screen Current	1·4	0·65	1·5	0·7	mA
Control Grid Voltage	0	0	0	0	volts
Control Grid Voltage for Mutual Conductance = 10 μa/volt	−16	−10	−16	−10	volts

PRECAUTIONS IN USE

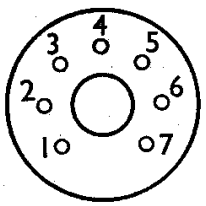
The screen may be supplied from a 90v. source through a series resistor, but the screen voltage must not exceed 67·5v. at zero control grid voltage.

DIMENSIONS



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

BASE



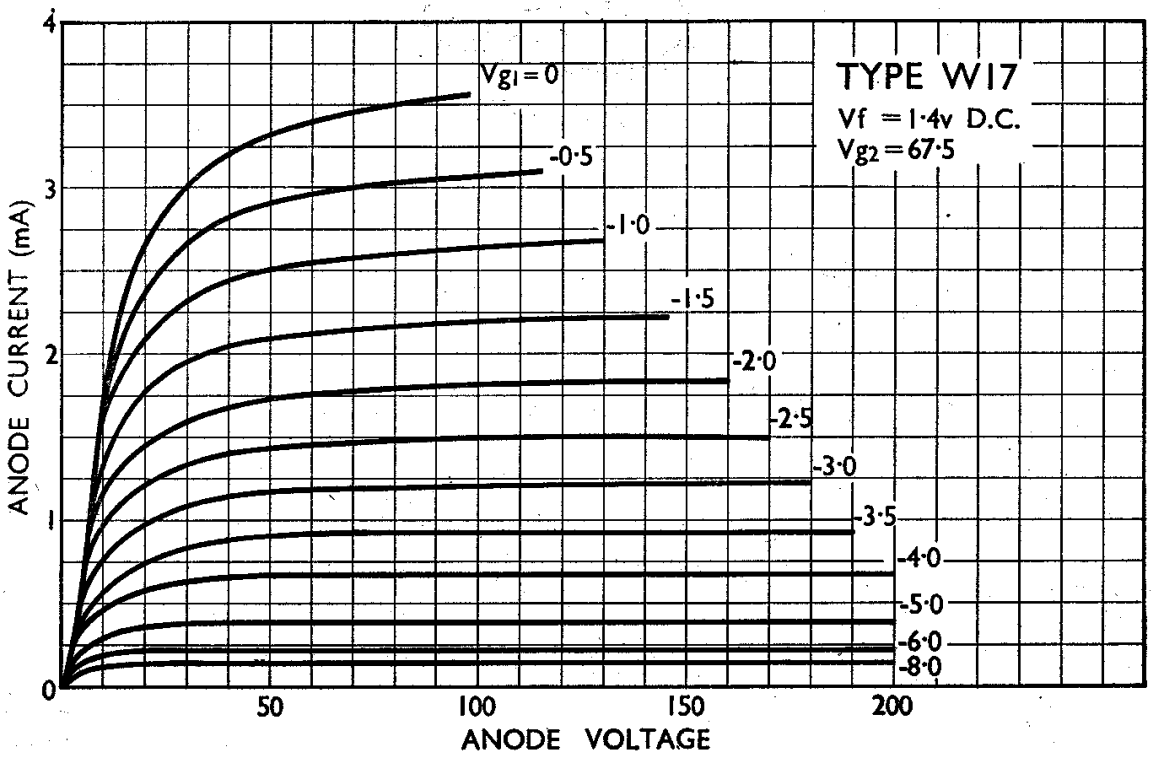
View looking on underside of base.

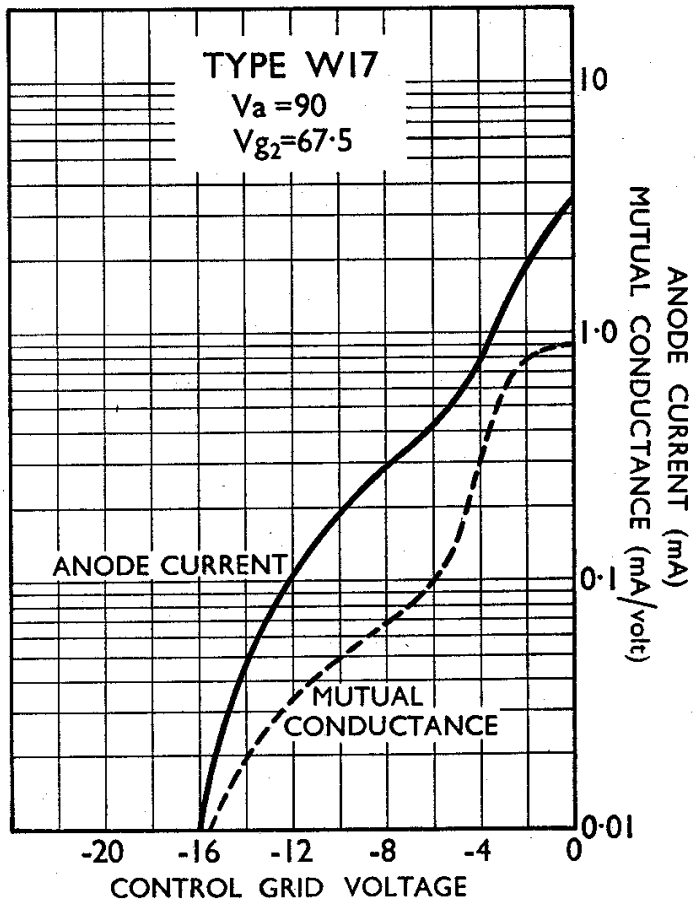
B7G

Pin 1 : Filament (−)
2 : Anode
3 : Screen Grid, g_2
4 : Not connected
5 : Filament (−)
6 : Control Grid, g_1
7 : Filament (+)

An internal shield is fitted to this valve and joined to pins 1 and 5.

TYPE W17





CHARACTERISTIC CURVES OF AVERAGE VALVE.