

X17

Osram

VALVES

X17 HEPTODE FREQUENCY CHANGER

DESCRIPTION

Type X17 is a miniature heptode suitable for dry battery operation. When it is used as a frequency changer the screen grid is used as the oscillator anode.

Type X17 is interchangeable with the American type 1R5.

RATINGS

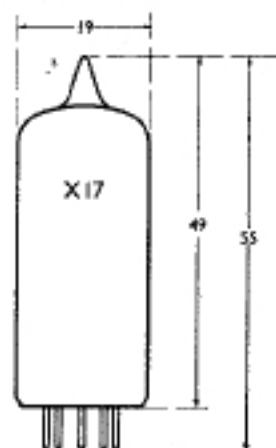
Filament Voltage	1.4	volts
Filament Current	0.05	approx. amp
Anode Voltage	90	max. volts
Screen Supply Voltage	90	max. volts
Screen Voltage	67.5	max. volts
Control Grid Voltage	0	max. volts
Total Cathode Current	5.5	max. mA
Conversion Impedance, at $V_{g_3}=0^*$	0.75	megohm
Conversion Conductance, at $V_{g_3}=0^*$	250	$\mu\text{A}/\text{V}$
Conversion Conductance, at $V_{g_3}=-9^*$	5	$\mu\text{A}/\text{V}$

* measured at $V_a = 90$, $V_{g_{2,4}} = 45$.

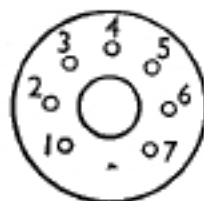
Capacitances (taken on valve with no external screening):

Control Grid to all other electrodes	7.0	approx. pF.
Anode to all other electrodes	7.0	" "
Osc. Grid to all other electrodes	3.8	" "
Anode to Control Grid	0.4	" "
Osc. Grid to Control Grid	0.2	" "
Osc. Grid to Anode	0.1	" "

DIMENSIONS



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



View looking on underside of base.

BASE

B7G

- Pin 1: Filament (-), and Suppressor Grid, g_5
 2: Anode
 3: Oscillator Anode, $g_{2,4}$
 4: Oscillator Grid, g_1
 5: Filament (-), and Suppressor Grid, g_5
 6: Control Grid, g_3
 7: Filament (+)