

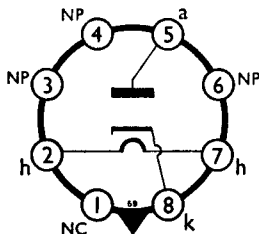


HALF WAVE RECTIFIER

0.3A INDIRECTLY HEATED

U31
JUNE, 1953

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside
of base.

Base : International octal.

Bulb : Dome top pear.

Overall length : 112—122 mm.

Seated length : 98—108 mm.

Max. diameter : 45 mm.

RATING

V_f	26 approx.	V
I_f	0.3	A
V_{h-k} D.C.	350 max.	V
v_{h-k} (pk)	700 max.	V
PIV	710 max.	V
V_{in} (rms)	250 max.	V
I_{out}	120 max.	mA
i_a (pk)	720 max.	mA
i_a (sur)	2.4 max.	A

It is recommended that a resistor of 100Ω min. is connected in series with the anode lead to the valve.

TYPICAL OPERATION

Single phase half-wave.

V_{in} (rms)	250
V_{out}	250
I_{out}	120
I_{ph} (rms)	250
R_{source}	100
C	16
Ripple	15

Voltage doubler (two valves).

250	V
500	V
120	mA
360	mA
100	Ω
$32 + 32$	μF
10	%

MOUNTING

Any position.

RETAINING

Not normally necessary.

VENTILATION

Ample free air circulation around the bulb should be permitted.

