

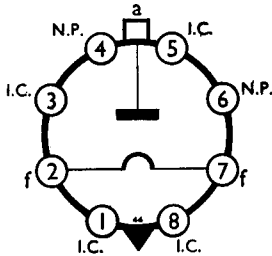


HALF WAVE RECTIFIER

1.25V DIRECTLY HEATED

U41
OCTOBER, 1952

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside
of base.

Base : International Octal

Bulb : Tubular

Overall length : 93—103 mm.

Seated length : 79—89 mm.

Max. diameter : 34 mm.

Top cap : CT2

RATING

V_f	1.25	V
I_f	0.2	A
PIV	35 max.	kV
I_{out}	2 max.	mA
i_a (pk)	17 max.	mA
i_a (sur)	40 max.	mA
f	350 max.	kc/s

CAPACITANCE

Ca-f	1.5	pF
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TYPICAL OPERATION

Single Phase ; Half Wave. Capacitor Input

V_a (rms)	12.5	kV
PIV	35	kV
V_{out}	15	kV
I_{out}	2	mA
i_a (pk)	12	mA
I_{ph} (rms)	4.2	mA
R_{source}	300 min.	k Ω
C	0.01	μ F
Ripple	15	%

U41

VOLTAGE DOUBLER. 2 VALVES

V_a (rms)	12.5	kV
PIV	35	kV
V_{out}	30	kV
I_{out}	2	mA
i_a (pk)	12	mA
I_{ph} (rms)	4.2	mA
R_{source}	300 min.	k Ω
C	0.02	μ F
Ripple	10	%

MOUNTING

Any position.

SWITCHING

Direct.

