

U37

Osram

VALVES

U37 RECTIFIER

DESCRIPTION

Type U37 is a directly heated half wave rectifier primarily designed for providing E.H.T. for cathode ray tubes from an R.F. source or by rectification of the fly back voltage.

RATINGS

Filament Voltage ...	...	...	...	...	...	...	1.4	volts
Filament Current ...	...	...	...	...	...	...	0.14	amp
Peak Inverse Voltage ...	...	...	...	...	...	...	15*	max. kV
D.C. Output Current ...	...	...	...	...	...	...	2	max. mA
Peak Anode Current ...	...	...	...	...	...	...	12	max. mA
Surge Anode Current ...	...	...	...	...	...	...	40	max. mA

*For circuits where the anode voltage rises at approximately the same rate as the filament voltage (e.g. in fly back and R.F. oscillator circuits). Where used on power input circuits with the full A.C. anode voltage applied on switching, the maximum P.I.V. is 10 KV.

Capacitance :

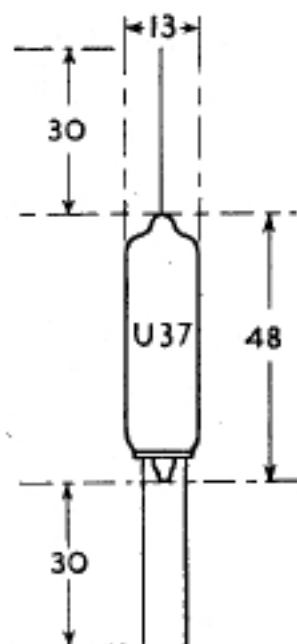
Anode to filament	0.65	approx. pF
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OPERATING CONDITIONS

Fly Back E.H.T. System

Filament Current R.M.S....	0.14	amp
Peak Inverse Voltage	7.5	kV
D.C. Output Voltage ...	...	...	...	...	...	...	7	kV
D.C. Output Current ...	...	...	...	...	...	...	100	μA
Reservoir Capacitor ...	...	...	...	...	...	...	0.001	mfd

DIMENSIONS



R.F. Oscillator System

Filament Current R.M.S. ...	...	...	...	...	...	...	0.14	amp
Peak Inverse Voltage ...	...	...	...	...	...	...	15	kV
Input Voltage R.M.S. ...	...	...	...	...	...	...	5.3	kV
D.C. Output Voltage ...	...	...	...	...	...	...	7.5	kV
D.C. Output Current ...	...	...	...	...	...	...	100	μA

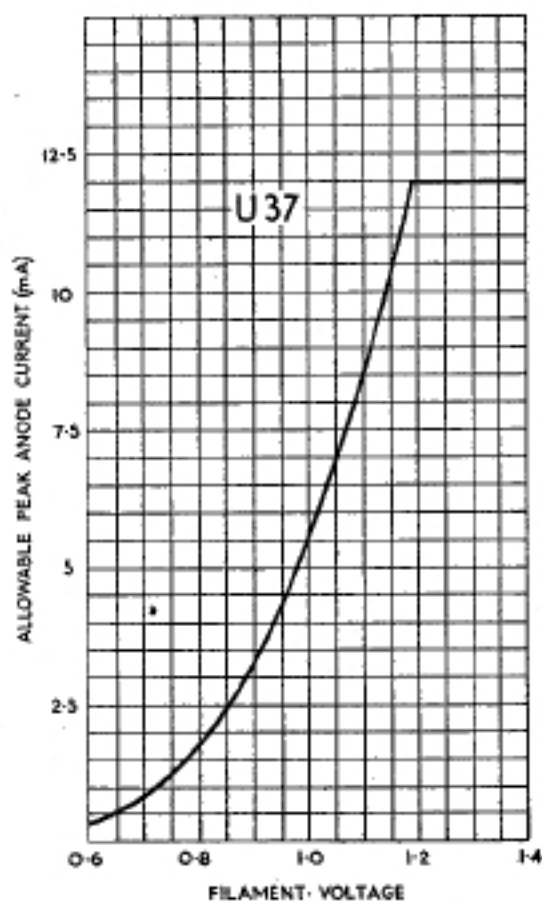
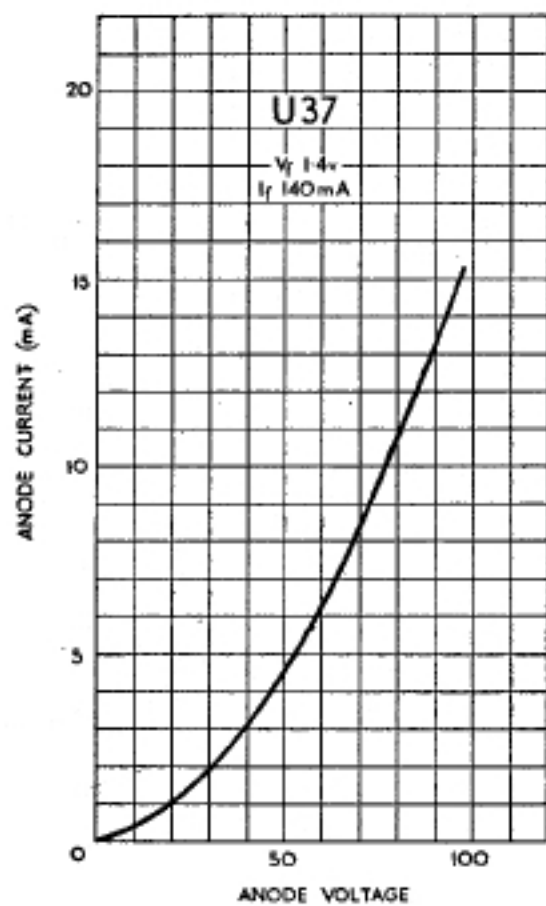
The filament should be operated at the same temperature as it would attain if operated at 1.4 volts D.C.

BASE

SOLDERED-IN TYPE VALVE

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

TYPE U37



CHARACTERISTIC CURVES OF AVERAGE VALVE.