

High voltage directly heated half-wave rectifier with wired-in connections, particularly suitable for use in the e.h.t. supply of oscilloscopes.

## FILAMENT

V <sub>f</sub>	1.25	V
I <sub>f</sub>	200	mA

## CAPACITANCE

ca-f	600	mpF
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## TYPICAL OPERATING CONDITIONS

### Sine wave input

V <sub>in(rms)</sub>	3.6	kV
I <sub>a</sub>	250	μA
R <sub>lim</sub>	470	kΩ
‡ C	0.02	μF
V <sub>out</sub>	4.5	kV

## DESIGN CENTRE RATINGS

### Sine wave input

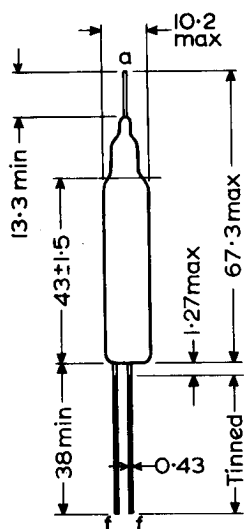
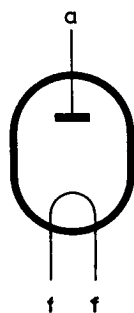
P. I. V. max.	10	kV
I <sub>a</sub> max.	250	μA
i <sub>a(pk)</sub> max.	1.5	mA
‡ C max.	0.02	μF
R <sub>lim</sub> min.	470	kΩ

### Pulse input

P. I. V. max.	10	kV
I <sub>a</sub> max.	250	μA
* i <sub>a(pk)</sub> max.	5.0	mA
C max.	0.002	μF

\* Duty factor max. = 15 %, t<sub>p</sub> max. = 10 μs.

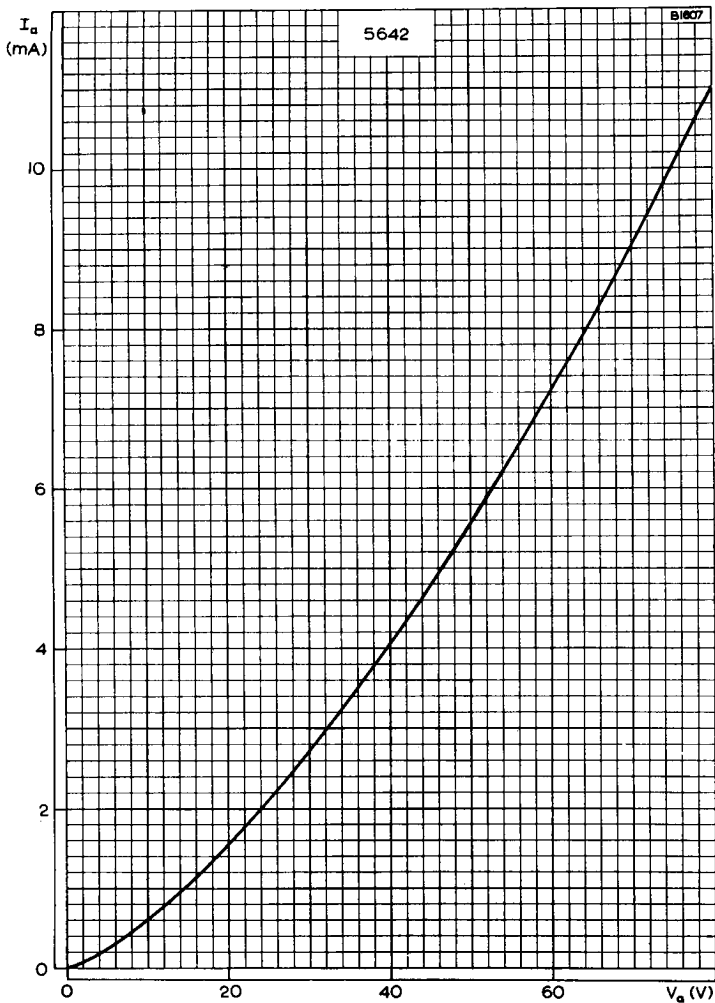
‡ 50 c/s supply



All dimensions in mm

**B1576**





ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE