

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_f	1.25	V
I_f	200	mA

CAPACITANCE

ca-f	600	mpF
------	-----	-----

TYPICAL OPERATING CONDITIONS

Sine wave input

$V_{in(rms)}$	3.6	kV
I_a	250	μA
R_{lim}	470	k Ω
† C	0.02	μF
V_{out}	4.5	kV

DESIGN CENTRE RATINGS

Sine wave input

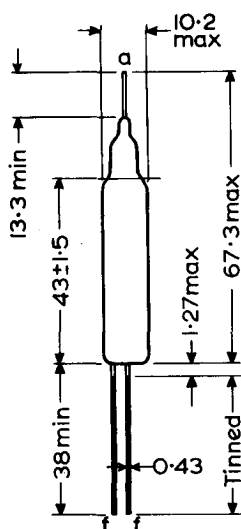
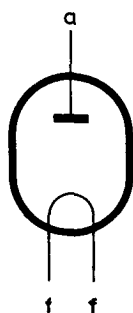
P.I.V. max.	10	kV
I_a max.	250	μA
$i_a(pk)$ max.	1.5	mA
† C max.	0.02	μF
R_{lim} min.	470	k Ω

Pulse input

P.I.V. max.	10	kV
I_a max.	250	μA
* $i_a(pk)$ max.	5.0	mA
C max.	0.002	μF

* Duty factor max. = 15 %, t_p max. = 10 μs .

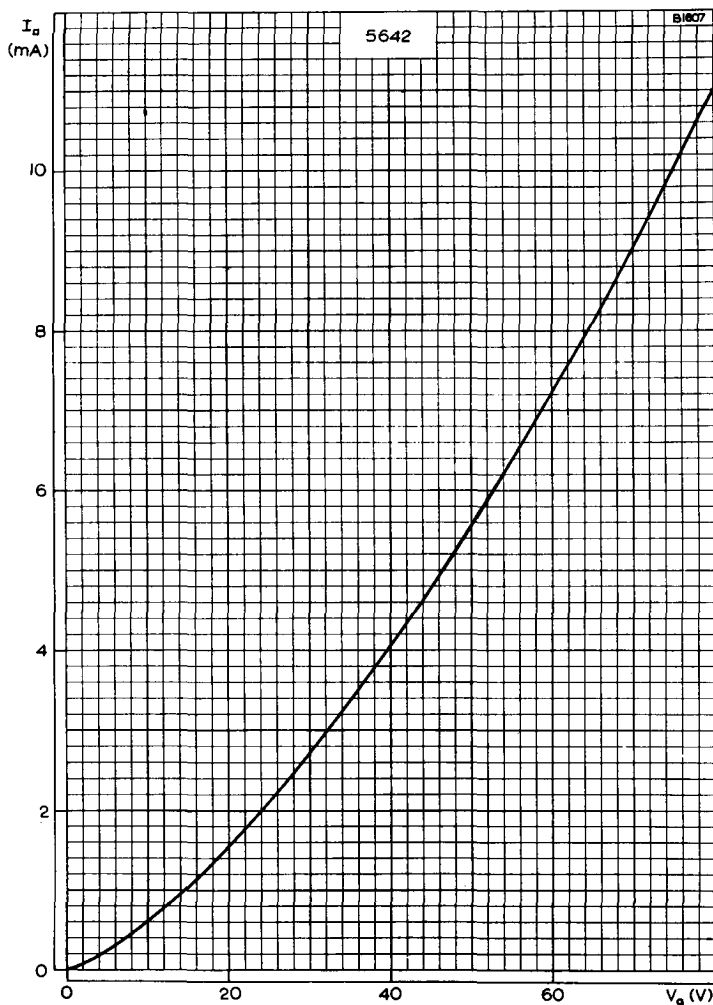
† 50 c/s supply



All dimensions in mm

81576





ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE