

TENTATIVE DATA

Booster diode for colour television timebase circuits

HEATER : Suitable for series a.c. or d.c. operation

I_h	300	mA
V_h	42	V

During operation the minimum resistance between any heater pin and any mains terminal for the heater chain should be 100Ω . The hot heater resistances of the other valves in the chain can serve for this resistance.

CAPACITANCES

c_{a-k}	13.5	pF
c_{h-k}	3.7	pF

CHARACTERISTICS

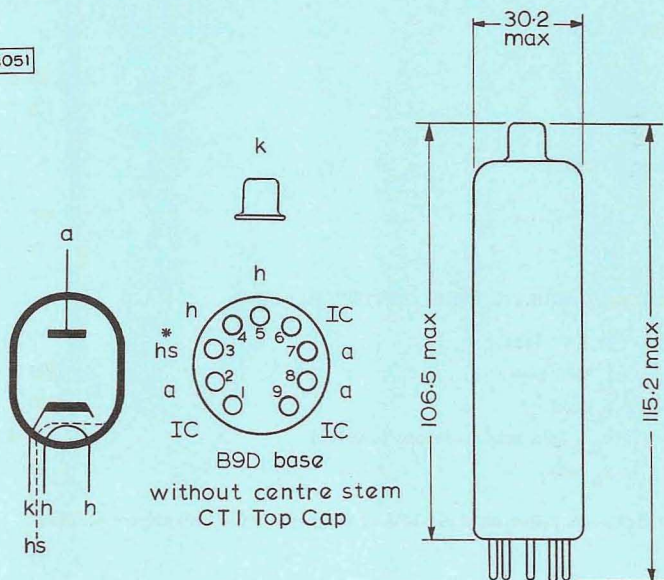
I_a	440	mA
r_i	42	Ω

LIMITING VALUES (DESIGN CENTRE RATINGS)

*P.I.V. max.	5.6	kV
i_a (pk) max.	800	mA
I_a max.	440	mA
* v_{h-k} (pk) max. (cathode positive)	6.3	kV
p_a max.	11	W

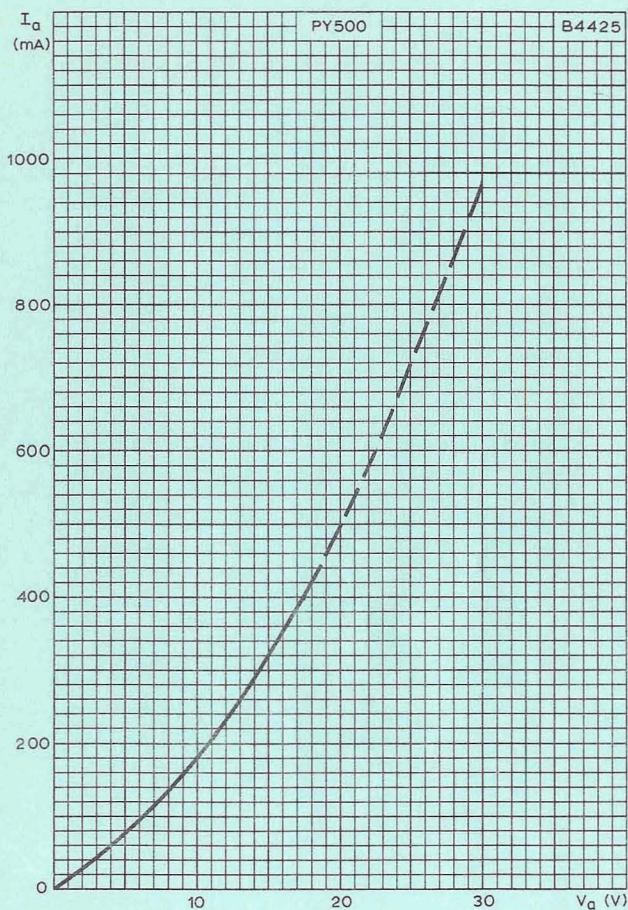
*Maximum pulse duration 22% of one cycle with a maximum of $18\mu s$.

B3051



All dimensions in millimetres

*Insertion of a 1.0W non-inductive 330Ω carbon resistor between pins 3 and 4 is recommended to improve the high-tension properties of the tube. If no resistor is used, pins 3 and 4 should be interconnected.



ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE

