

Booster diode for colour television timebase circuits. In existing equipment the PY500A is a direct replacement for the PY500. In new equipment designs the 300 Ω protection resistance from pin 3 to pin 4 or 5 is not required with the PY500A.

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

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 100 Ω . The hot heater resistances of the other valves in the chain can serve for this resistance.

CAPACITANCES

c_{a-k}	13	pF
c_{h-k}	3.7	pF

CHARACTERISTICS

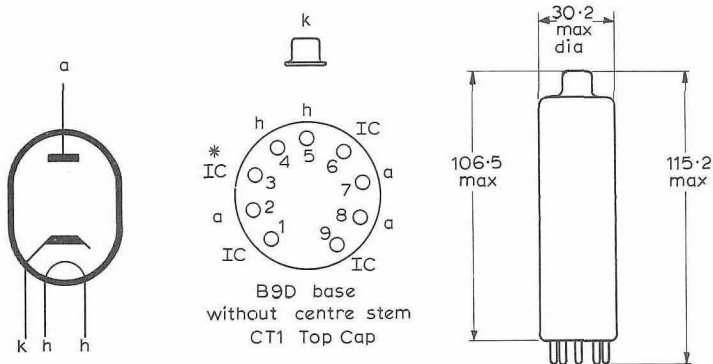
I_a	440	mA
r_i	45.5	Ω

RATINGS (DESIGN CENTRE SYSTEM)

*P.I.V. max.	5.6	kV
*P.I.V. max. (absolute rating)	7.0	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

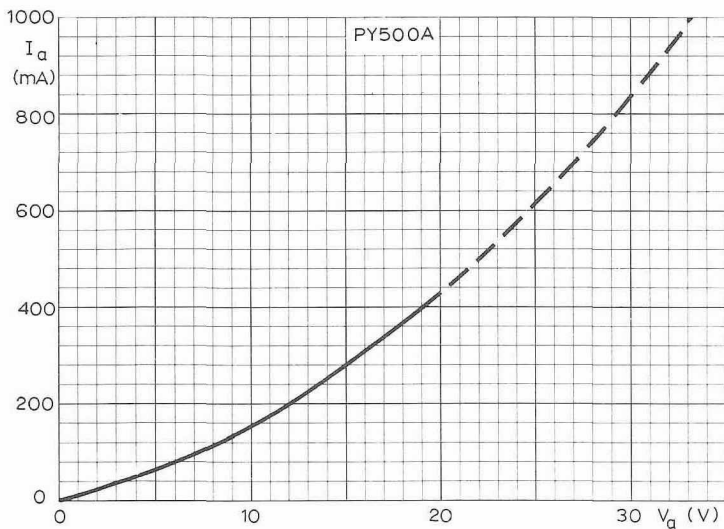
*Maximum pulse duration 22% of one cycle with a maximum of 18 μ s.

OUTLINE DRAWING



All dimensions in mm

*In existing equipment using the PY500 a resistor may be wired from pin 3 to pin 4 or 5, or pins 3 and 4 may be interconnected. When replacing the PY500 with the PY500A the resistor or interconnection need not be removed. In new equipment designs using the PY500A pin 3 should be left unconnected.



ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE