

HALF-WAVE RECTIFIER

GY501

E.H.T. rectifier for colour television receivers. This valve has a chemically treated envelope to avoid flashover under conditions of high humidity and low atmospheric pressure (450mm of mercury).

HEATER

V_h (see note 1)	3.15	V
I_h	400	mA

CAPACITANCES

C_{a-h+k}	1.2	pF ←
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OPERATING CONDITIONS

I_{out}	1.5	mA
V_{out}	25	kV

RATINGS (DESIGN CENTRE SYSTEM)

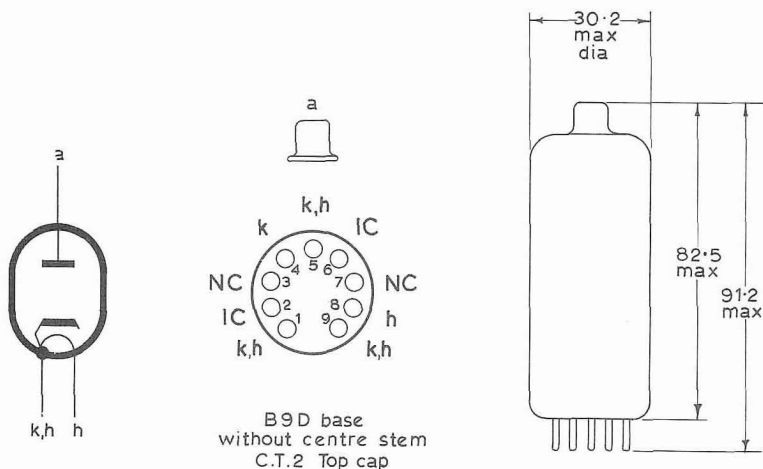
P.I. V. max. (see note 2)	31	kV
V_{out} max.	25	kV
$I_{a(out)}$ max.	1.7	mA

OPERATING NOTES

1. The nominal heater voltage value applies to operation with the average beam current to be expected in practice. Heater voltage variations up to max. $\pm 15\%$ are permitted for a nominal tube under the worst probable conditions.
2. Maximum pulse duration 22% of one cycle with a maximum of $18\mu s$. The negative peak due to ringing in the line output transformer should be taken into account.
3. When operated in a television receiver this valve will produce X-radiation in excess of permissible dosage and a suitable screen should be incorporated.

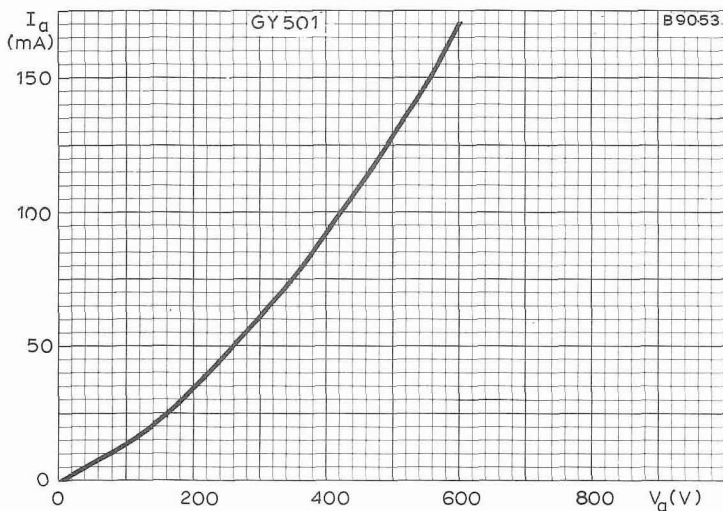
OUTLINE DRAWING OF GY501

B9052

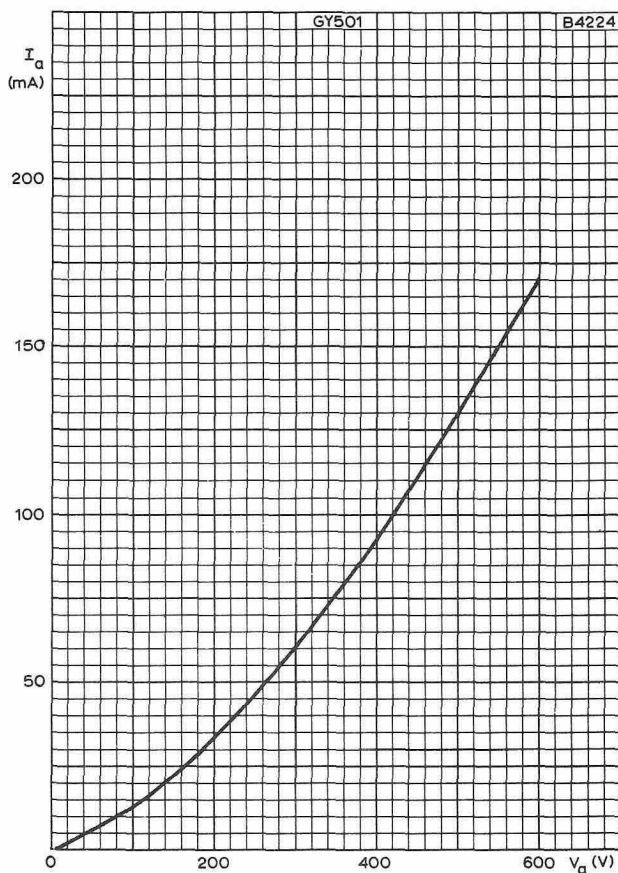


All dimensions in mm

Pins 1, 5 and 9 may be used to connect an anti-corona ring. Circuit elements having the same potential as the heater, eg. series resistor, may be connected to pins 3 and 7. These pins must not be earthed



ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE



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