

HALF-WAVE RECTIFIERS

DY86
DY87

High voltage half-wave rectifiers for television line fly-back e.h.t. supply. The DY87 is electrically identical to the DY86 but has a chemically treated bulb to prevent flash-over under conditions of high humidity.

HEATER

Vh		1.4	V
Ih		550	mA
Heater voltage tolerances	Iout < 200 μ A	$\pm 15^*$	%
	Iout > 200 μ A	$\pm 7^*$	%

* These tolerances apply when the power supply voltage is at its nominal value and when a valve having bogey heater characteristics is employed. In addition fluctuations in the mains supply voltage not exceeding $\pm 10\%$ are permissible.

CAPACITANCES

ca - (h+k+s)	1.55	pF
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DESIGN CENTRE RATINGS

Pulsed input		
* P.I.V. max.	22	kV
‡ ia (pk) max.	40	mA
Iout max.	500	μ A
C max.	2000	pF

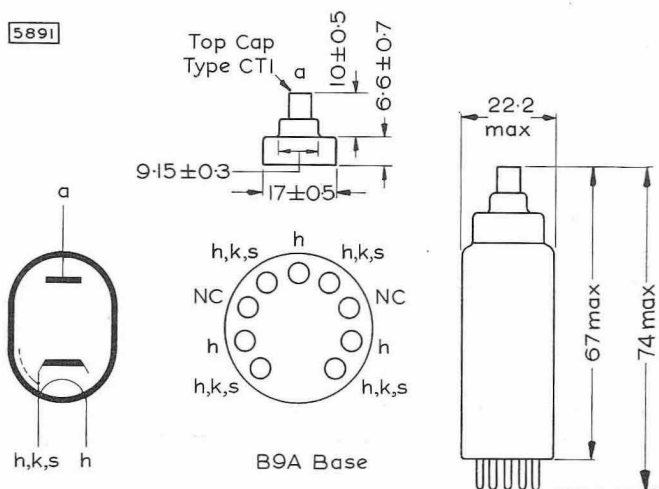
* Maximum duration 22 % of a line scanning cycle with a maximum of 18 μ s.

‡ Maximum duration 10 % of a line scanning cycle with a maximum of 10 μ s.

WARNING

X-ray shielding is advisable to give protection against possible danger of personal injury arising from prolonged exposure at close range to this tube when operated above 16 kV. The level of X-radiation is likely to be considerably higher when the heater circuit of the tube is open.

5891



All dimensions in mm

Pins 1, 4, 6 and 9 may be used for fixing an anti-corona shield.

Pins 3 and 7 may only be connected to points in the heater circuit and must not be earthed.