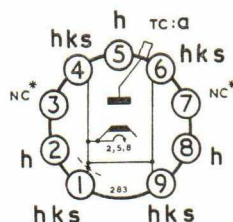


HIGH VOLTAGE HALF WAVE RECTIFIER FOR FLYBACK E.H.T. SUPPLIES



B9A Base

Heater Voltage	V_h	2.0	V
Heater Current	I_h	0.35	A

RATINGS (Flyback Pulse)†

Maximum Peak Inverse Voltage (Absolute)	PIV(max)	27	kV
Maximum Peak Inverse Voltage (Design Centre)	PIV(max)	23.5	kV
Maximum Mean Anode Current (Design Centre)	$I_a(av)_{max}$	0.2	mA
Maximum Peak Anode Current (Design Centre)	$I_a(pk)_{max}$	60	mA

† The pulse ratings are for television line scan where the applied voltage pulse does not exceed 15% of one scanning cycle or 15 microseconds duration.

INTER-ELECTRODE CAPACITANCES

Anode to Heater, Cathode and Shield	$C_{a-h,k,s}$	1.3‡	pF
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‡ Total capacity including unscreened B9A ceramic holder i.e. without can or skirt.

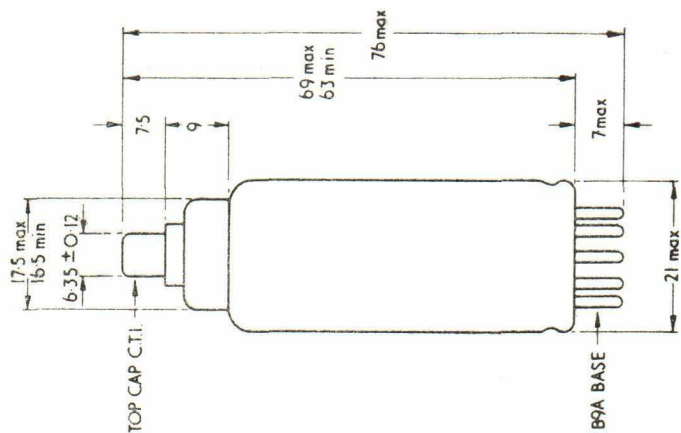
MOUNTING POSITION—Unrestricted

NOTES

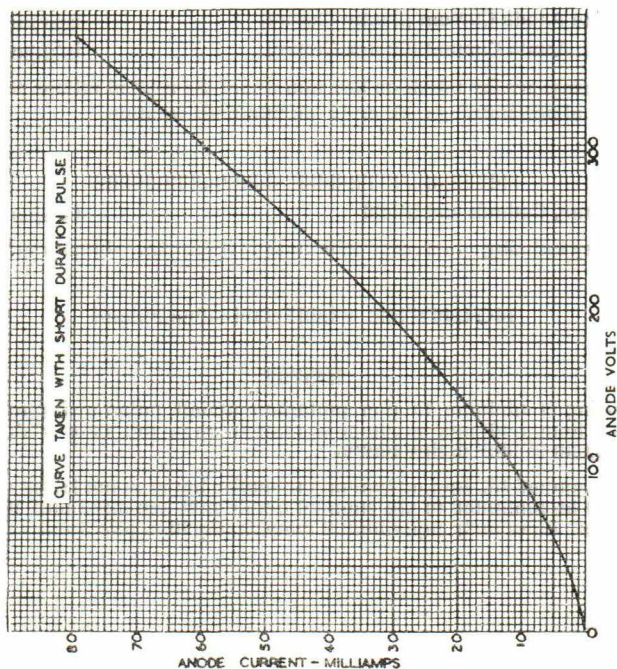
X-Ray shielding is advisable to give protection against possible danger of personal injury arising from prolonged exposure at close range to this valve whilst it is in use at a PIV in excess of 16kV design centre.

* Pins 3 and 7 marked NC have no internal connection but must not be left unconnected. They should be connected to the external circuit with not more than 100V between adjacent pins. Some early experimental samples may have pins 3 and 7 connected to cathode.

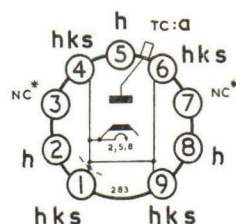
Indicates a change ←



All dimensions in mm.



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INTER-ELECTRODE CAPACITANCES

Anode to Heater, Cathode and Shield	$C_{a-h,k,s}$	1.3‡	pF	←
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‡ Total capacity including unscreened B9A ceramic holder i.e. without can or skirt.

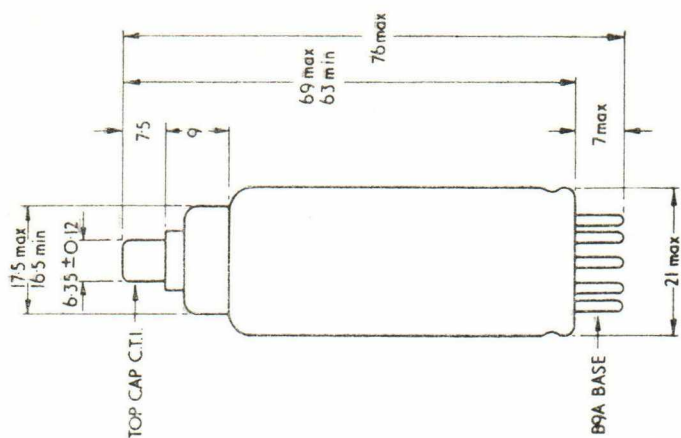
MOUNTING POSITION—Unrestricted

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Indicates a change ←



All dimensions in mm.

