



BOOSTER DIODE

An indirectly heated booster diode. The high heater-cathode insulation permits operation in transformerless AC/DC Television Receivers.

PHYSICAL DETAILS.

Base	...	...	...	B9A—Noval.
Bulb	...	...	...	Clear.
Max. Overall Length	...	...	...	83 mm. ($3\frac{1}{2}$ in.).
Max. Seated Height	...	...	...	76 mm. (3 in.).
Max. Diameter	...	...	...	22.2 mm. ($\frac{7}{8}$ in.).

BASE CONNECTIONS.

Pin 1—Internal Connection.	Pin 6—Internal Connection.
Pin 2—Internal Connection.	Pin 7—Internal Connection.
Pin 3—Internal Connection.	Pin 8—Internal Connection.
Pin 4—Heater.	Pin 9—Anode.
Pin 5—Heater.	T.C.—Cathode.

HEATER.

Heater Current	...	...	...	0.3 amp.
Heater Voltage	...	...	...	20.0 volts.

RATINGS.

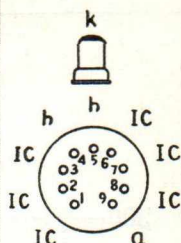
*Max. Peak Inverse Voltage	...	...	...	5000 volts.
Max. Mean Anode Current	...	...	...	175 mA.
*Max. Peak Anode Current	...	...	...	500 mA.
Max. Reservoir Capacitor	...	...	...	4 μ F.
*Max. V_{h-k} (pk) Htr. Negative	...	...	...	5000 volts.

CAPACITANCES.

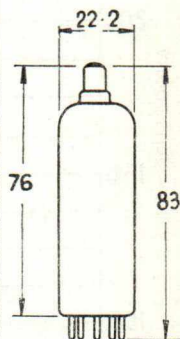
C_{a-k}	...	...	...	9.2 pF.
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*Max. pulse duration of 22% of one cycle with a maximum of 18 μ secs.

PY83



Base
Connections
Underside View
of Base



Dimensions
shown are in
millimetres
(max)



Typical Anode Current/Anode Voltage Characteristic

