



BOOSTER DIODE

An indirectly heated booster diode with high heater-cathode insulation designed for operation in AC/DC Television Receivers with series heater chains.

PHYSICAL DETAILS.

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

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	...	...	...	17.0 volts.

RATINGS.

*Max. Peak Inverse Voltage	...	...	...	4750 volts.
Max. Mean Anode Current	...	...	...	150 mA.
*Max. Peak Anode Current	...	...	...	450 mA.
Max. Reservoir Capacitor	...	...	...	4 μ F.
*Max. V_{h-k} (pk) (Htr. Negative)	...	...	...	4750 volts.
Max. V_{a-h} (pk) (Anode Negative)	...	...	...	3000 volts.
Max. V_{h-e}	...	...	...	220 volts (r.m.s.)

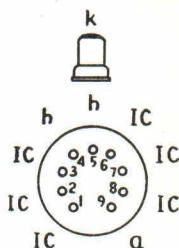
CAPACITANCES.

C_{a-k}	...	...	...	6.4 pF.
C_{h-k}	...	...	...	2.8 pF.

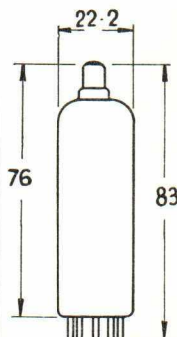
*Max. pulse duration of 22% of one cycle with a maximum of 18 μ secs.

PY81

17Z3



Base
Connections
Underside View
of Base



Dimensions
shown are in
millimetres
(max)



PY81

17Z3

Typical Anode Current/Anode Voltage Characteristic

