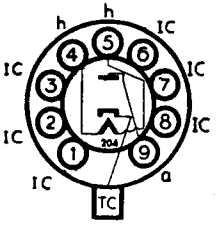
Current Equipment Type

TYPE **EY83**
MINIATURE
BOOSTER DIODE



B9A (Noval) Base

The BRIMAR EY83 is an indirectly heated booster diode designed for operation in A.C./D.C. television receivers. The high working peak heater to cathode potential renders the use of a separate, highly insulated heater winding unnecessary.

Heater Current	1.0 amp.
Heater Voltage	6.3 volts nom.

RATINGS

Peak Anode Current	450 mA max.
Mean Anode Current	150 mA max.
Heater-Cathode potential during flyback (heater negative with respect to cathode) †	5,000 volts max.
Peak Inverse Voltage †	5,000 volts max.

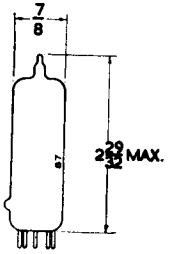
† Maximum pulse duration 15% of one cycle, with a maximum of 15 μ secs.

INTER-ELECTRODE CAPACITANCES*

Anode to Cathode	6.2 pF
Heater to Cathode	2.1 pF

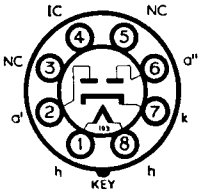
** Measured with no external shield.*

Refer to Type PY83 for characteristic curve.



Replacement Type

TYPE **EZ40**
FULL WAVE
RECTIFIER



Heater Voltage ...	... 6.3 volts	Output Current	90 mA max.
Heater Current ...	... 0.6 amp.	Reservoir Capacitance ...	50 μF max.
Anode Voltage R.M.S.	... 2×350 volts max.	Limiting Resistance per Anode	300 Ω min.