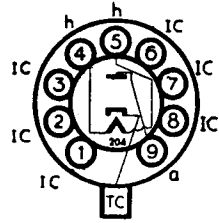


**EY83  
EZ40**

**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.

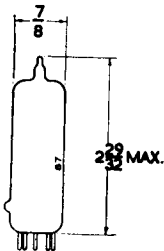
† Maximum pulse duration 15% of one cycle, with a maximum of 15 μs secs.

**INTER-ELECTRODE CAPACITANCES\***

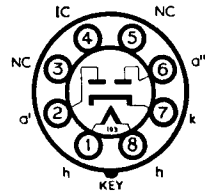
Anode to Cathode	...	...	...	...	...	6.2 pF
Heater to Cathode	...	...	...	...	...	2.1 pF

\* 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.