

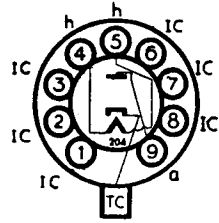
EY83 EZ40

Current Equipment Type



B9A (Noval) Base

TYPE EY83 MINIATURE BOOSTER DIODE



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.

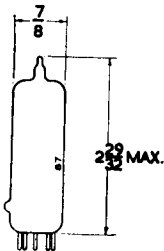
† Maximum pulse duration 15% of one cycle, with a maximum of 15 μ secs.

INTER-ELECTRODE CAPACITANCES*

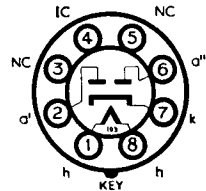
Anode to Cathode	...	...	...	...	...	6.2 pF
Heater to Cathode	...	...	...	...	...	2.1 pF

* 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 μ F max.
Anode Voltage R.M.S.	...	...	2 x 350 volts max.	Limiting Resistance per Anode	...	...	300 Ω min.