

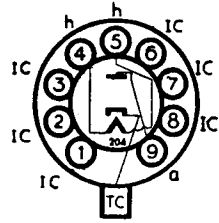
# EY83 EZ40

## 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. |

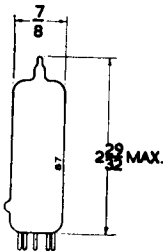
† Maximum pulse duration 15% of one cycle, with a maximum of 15  $\mu$  secs.

### INTER-ELECTRODE CAPACITANCES\*

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

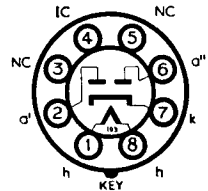
\* Measured with no external shield.

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 $\mu$ F max.   |
| Anode Voltage R.M.S. | ... | ... | 2 x 350 volts max. | Limiting Resistance per Anode | ... | ... | 300 $\Omega$ min. |