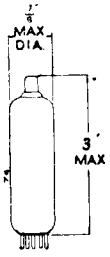
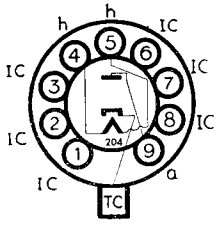


Replacement Type

TYPE PY81/17Z3
MINIATURE
BOOSTER DIODE



The BRIMAR PY81/17Z3 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	0.3 amp.
Heater Voltage	17.0 volts max.

RATINGS

Peak Anode Current †	450 mA max.
Mean Anode Current	150 mA max.
Heater-Cathode potential (with respect to cathode) :	
Heater Negative during forward stroke *	800 volts max.
Heater Negative during flyback †	4,500 volts max.
Heater-Anode potential during flyback (heater positive) † ...	3,000 volts max.
Peak Inverse Voltage †	4,500 volts max.

† *Maximum pulse duration 15% of one cycle with a maximum of 15 μsecs.*

* *This voltage may be made up of a maximum voltage of 220 volts R.M.S. at the mains supply frequency and a D.C. component of not more than 600 volts.*

INTER-ELECTRODE CAPACITANCES *

Anode to Cathode	6.4 pF
Heater to Cathode	3.6 pF

* *Measured with no external shield.*

Note.—The heating time of this valve is approximately twice that of other valves normally used in the series heater chain of television receivers and precautions may be necessary to ensure that the screen dissipation of the line output valve is not exceeded during the warm-up period.