

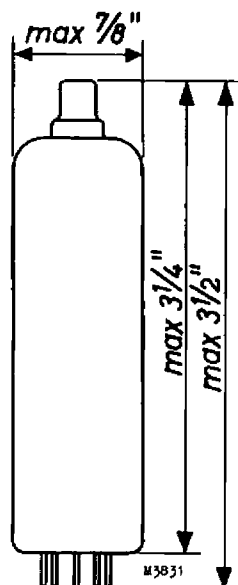
## BOOSTER DIODE

Booster diode in line-timebase circuits for transformerless television receivers.

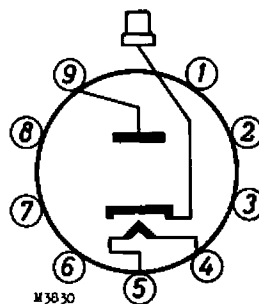
### MECHANICAL DATA

Cathode	coated, unipotential
Base	E9-1
Bulb	T6 <sup>1</sup> / <sub>2</sub>
Outline	see drawing
Basing	9CB
Top cap	C1-2
Mounting position	any

TUBE OUTLINE



BOTTOM VIEW OF BASE



BASE PIN No.

ELEMENT

1	}	internally connected; do not use
2		
3		
4		heater
5		heater
6	}	internally connected; do not use
7		
8		
9		anode
Top		cathode

HEATER DATA

Heater voltage	30 volts
Heater current	300 mamps

DIRECT INTERELECTRODE CAPACITANCES

Plate to all other elements	8.6 $\mu\mu\text{F}$
Cathode to heater	2.0 $\mu\mu\text{F}$

MAXIMUM RATINGS (Design Center Values)

Supply voltage without current	550 volts max.
Supply voltage	250 volts max.
Plate current	220 mamps max.
Peak plate current	550 mamps max.
Plate dissipation	5 watts max.
Peak negative plate voltage	6000 volts max. <sup>1)</sup> <sup>2)</sup>
Peak voltage between heater and cathode	6600 volts max. <sup>1)</sup>
Voltage between heater and earth	220 volts r.m.s. max.

---

<sup>1)</sup>Max. pulse duration 22% of a cycle with a max. of 18  $\mu\text{sec}$ .

<sup>2)</sup>Absolute maximum ratings 7500 volts.