

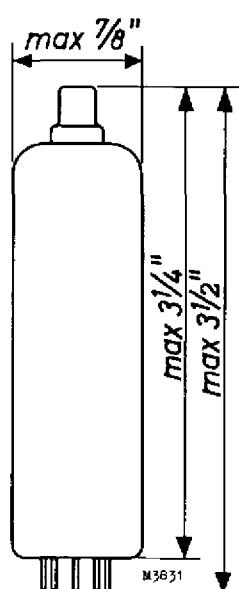
BOOSTER DIODE

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

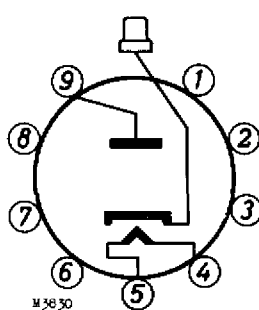
MECHANICAL DATA

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

TUBE OUTLINE



BOTTOM VIEW
OF BASE



BASE PIN
No.

ELEMENT

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

HEATER DATA

Heater voltage	16.4 volts
Heater current	600 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. ¹⁾ 2)
Peak voltage between heater and cathode	6600 volts max. ¹⁾
Voltage between heater and earth	220 volts r.m.s. max.

¹⁾Max. pulse duration 22% of a cycle with a max. of 18 μsec .

²⁾Absolute maximum ratings 7500 volts.