BOOSTER DIODE

Booster diode for use in line-timebase circuits for 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

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Top cap cathode

JULY 1959

from JEDEC release #2684, Jan. 4, 1960
HEATER DATA

Heater voltage 6.3 volts
Heater current 1.55 amps

DIRECT INTERELECTRODE CAPACITANCES

Plate to all other elements 8.6 μF
Cathode to heater 2.0 μF

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. \(^{1}\)

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\(^{1}\) Max. pulse duration 22% of a cycle with a max. of 18 μsec.
\(^{2}\) Absolute maximum ratings 7500 volts.