BOOSTER DIODE

Physical Specifications
Cathode
Base
Bulb
Maximum overall length
Maximum seated height
Bulb length excluding tip
Maximum diameter
Mounting position
Basing connections - JETEC basing designation

Coated unipotential
Small button noval 9-pin
T6 1/2
3 1/16"
2 13/16"
2 7/16" ± 3/32"
7/8"
any
9BM

Pin 1 - See note 1
Pin 2 - Internally connected
Pin 3 - Cathode
Pin 4 - Heater
Pin 5 - Heater
Pin 6 - See note 1
Pin 7 - Internally connected
Pin 8 - See note 1
Pin 9 - Plate

Bottom view of base

Tube outline

General Electrical Data
Heater voltage
Heater current

19 volts
300 ma

Direct Interelectrode Capacitance
Plate to cathode

5.5 µF

Maximum Ratings
Peak inverse plate voltage (see note 2)
Peak plate current
Average plate current
Heater-cathode voltage (peak value, cathode positive with respect to heater)
D.C. component of heater-cathode voltage
A.C. component of heater-cathode voltage

4000 volts
400 ma
180 ma
650 volts
450 volts
160 volts

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N.V. PHILIPS' GLOBELAMPENFABRIKEN, EINDHOVEN, HOLLAND.
Note 1. It is essential that adequate insulation is provided in the socket to withstand the maximum peak inverse voltage. To provide the required insulation in noval 9-pins sockets designed with a cylindrical centre shield, it is necessary to remove this shield. In addition, it is advisable to remove the socket contact for pin 6 in order to reduce the risk of flash-over and minimize the leakage through the socket. With certain types of sockets it may be necessary to mount the socket in a plate of insulating material with a diameter of at least 1 5/8". The pins 1, 2, 6, 7 and 8 should not be connected externally. For this reason all these pins have been marked i.c.

Note 2. The duration of the voltage pulse must not exceed 18 % of one cycle and must moreover be limited to 18 microseconds.