

19.E.2

MAZDA

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HIGH VACUUM DIODE Indirectly heated - for pulse operation

RATING :

Heater Voltage (volts)	V_h	4.0
Heater Current (amps)	I_h	2.1
Short pulse maximum peak inverse voltage (K_V)	† P.I.V.	4.0
Fault pulse maximum peak inverse voltage (K_V)	†§ P.I.V.	5.5
Maximum Peak Anode Current (amps)	$I_a(pk)$	12
Maximum Anode Dissipation (watts)	P_a	5.0
Maximum Bulb Temperature ($^{\circ}$)		150

§ For maximum period of 50 m/sec.

† Pulse length 1 microsec and repetition rate 1,200 per second.

‡ All maximum ratings are absolute values, not design centres.

DIMENSIONS

Maximum Overall Length (mm)	100
Maximum Diameter (mm)	32
Maximum Seated Height (mm)	87
Approximate Nett Weight (ozs)	1½
Approximate Packed Weight (ozs)	3½

MOUNTING POSITION - Vertical

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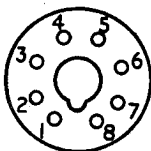
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TYPICAL OPERATION

Peak Anode Current (amps)	$I_a(\text{pk})$	12.0
Anode Dissipation (watts)	P_a	3.5
Approximate D.C. Resistance at 12 amps peak current (ohms)	Ω	39.0

BULB ClearBASE International Octal (IO8)

Viewed from free end of pins.

Blank pins in socket to be left free.

CONNEXIONS

Pin 1	-	-
Pin 2	Heater	h
Pin 3	-	-
Pin 4	-	-
Pin 5	-	-
Pin 6	-	-
Pin 7	Heater	h
Pin 8	-	-
Top Cap	Anode	a

NOTE

The heater must be switched on for 30 seconds before the anode voltage is applied.