

MAZDA

I.D.13

BATTERY R.F. DIODE

Indirectly heated

RATING

Heater Voltage (volts)	V_h	1.4
Heater Current (amps)	I_h	0.15
Maximum Anode Voltage (RMS).	$V_a(max)$	130
Maximum Peak Inverse Voltage (volts)	P.I.V.(max)	365
Maximum Peak Anode Current (mA)	$I_a(pk)max$	5.0
Maximum Mean Anode Current (mA)	$I_a(av)max$	0.5
Maximum Potential Heater/Cathode (volts D.C.)	$V_h-k(max)$	100

INTER-ELECTRODE CAPACITANCES •

Anode/Cathode ($\mu\mu F$)	C_{a-k}	0.6
Anode/Heater ($\mu\mu F$)	C_{a-h}	1.05
Heater/Cathode ($\mu\mu F$)	C_{k-h}	0.7

- With no external shield.

DIMENSIONS

Maximum Overall Length (mm)	54
Maximum Diameter (mm)	19

MOUNTING POSITION - Unrestricted.

NOTE The Resonant frequency of this valve is approximately 1,000 Mc/s. with no external shield.

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TYPICAL OPERATION (with Condenser Input Filter)

Anode Voltage (volts R.M.S)	117
Filter Input Condenser (μ F)	2.0
Minimum Total Effective Anode/Supply Impedance (ohms)	0

BULB Clear

BASE B.7.G.



Viewed from free end of pins.

CONNEXIONS

Pin 1	Heater	h
Pin 2	Anode	a
Pin 3	Cathode	k
Pin 4	-	-
Pin 5	Internal Connexion	• i.c
Pin 6	Anode	a
Pin 7	Heater	h

• This pin must be left free.

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AVERAGE CHARACTERISTIC CURVE

