

# MAZDA

6.D.2

6.D.2

## DOUBLE DIODE (Separate Cathodes) Indirectly heated - for parallel operation

### RATING

Heater Voltage (volts.)	$V_h$	6.3
Heater Current (amps)	$I_h$	0.3
Maximum Mean Anode Current per Anode (mA)	$I_a(av)max$	9
Maximum Peak Anode Current per Anode (mA)	$I_a(pk)max$	50
Maximum Peak Inverse Anode Voltage (volts)	P.I.V.(max)	500
Maximum Potential Heater/Cathode (volts DC)	$V_{h-k}(max)$	250

### INTER-ELECTRODE CAPACITANCES \*

		†	‡
Anode 1/All other electrodes ( $\mu F$ )	$C_{a'-all}$	3.4	4.6
Anode 1/Anode 2 ( $\mu F$ )	$C_{a'-a''}$	0.023	0.026
Anode 1/Cathode 1 ( $\mu F$ )	$C_{a'-k'}$	1.75	1.75
Anode 2/All other electrodes ( $\mu F$ )	$C_{a''-all}$	3.4	4.6
Anode 2/Cathode 2 ( $\mu F$ )	$C_{a''-k''}$	1.75	1.75
Cathode 1/All other electrodes ( $\mu F$ )	$C_{k'-all}$	4.1	5.3
Cathode 1/Cathode 2 ( $\mu F$ )	$C_{k'-k''}$	0.009	0.011
Cathode 2/All other electrodes ( $\mu F$ )	$C_{k''-all}$	4.0	5.2

\* Measured with a closely fitting metal can connected to earth.

† Inter-electrode capacitance with holder capacitance balanced out.

‡ Total capacitance including a B.7.G. ceramic holder.

### DIMENSIONS

Maximum Overall Length (mm)	54
Maximum Diameter (mm)	19
Maximum Seated Height (mm)	47.5
Approximate Nett Weight (ozs)	$\frac{1}{2}$
Approximate Packed Weight (ozs)	$\frac{3}{4}$

MOUNTING POSITION - Unrestricted

6.D.2

**MAZDA**

6.D.2

**DOUBLE DIODE (Separate Cathodes)**  
**Indirectly heated - for parallel operation**

BULB ClearBASE B.7.G.

Viewed from free end of pins.

CONNEXIONS

Pin 1	Cathode 2	k''
Pin 2	Anode 1	a'
Pin 3	Heater	h
Pin 4	Heater	h
Pin 5	Cathode 1	k'
Pin 6	Internal Shield	s
Pin 7	Anode 2	a''