

MAZDA

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 (μF)	$ca'-all$	3.4	4.6
Anode 1/Anode 2 (μF)	$ca'-a''$	0.023	0.026
Anode 1/Cathode 1 (μF)	$ca'-k'$	1.75	1.75
Anode 2/All other electrodes (μF)	$ca''-all$	3.4	4.6
Anode 2/Cathode 2 (μF)	$ca''-k''$	1.75	1.75
Cathode 1/All other electrodes (μF)	$ck'-all$	4.1	5.3
Cathode 1/Cathode 2 (μF)	$ck'-k''$	0.009	0.011
Cathode 2/All other electrodes (μF)	$ck''-all$	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

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"