### RATINGS

- **Heater Voltage (volts)**: $V_h$ = 19
- **Heater Current (amps)**: $I_h$ = 0.1
- **Maximum Mean Anode Current per Anode (mA)**: $I_{a,av} \text{max}$ = 9
- **Maximum Peak Anode Current per Anode (mA)**: $I_{a,pk} \text{max}$ = 50
- **Maximum Peak Inverse Anode Voltage (volts)**: $P.I.V. \text{(max)}$ = 500
- **Maximum Potential Heater Cathode (D.C. + A.C. peak with heater -ve)**: $V_{h-k} \text{(max)}$ = 190

### INTER-ELECTRODE CAPACITANCES

<table>
<thead>
<tr>
<th>Electrode Configuration</th>
<th>$C_a$</th>
<th>$C_{a-k}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anode 1/All other Electrodes (µF)</td>
<td>3.4</td>
<td>4.5</td>
</tr>
<tr>
<td>Anode 1/Anode 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anode 1/Cathode 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anode 2/All other Electrodes (µF)</td>
<td>1.65</td>
<td>1.65</td>
</tr>
<tr>
<td>Anode 2/Cathode 2</td>
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<td></td>
</tr>
<tr>
<td>Cathode 1/All other Electrodes (µF)</td>
<td>4.0</td>
<td>5.1</td>
</tr>
<tr>
<td>Cathode 1/Cathode 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cathode 2/All other Electrodes (µF)</td>
<td>4.1</td>
<td>5.2</td>
</tr>
<tr>
<td>Cathode 2/Heater</td>
<td>2.5</td>
<td>2.3</td>
</tr>
<tr>
<td>Cathode 1/Heater</td>
<td>2.87</td>
<td>2.3</td>
</tr>
</tbody>
</table>

- Measured with a closely fitting metal can connected to earth.
- Inter-electrode capacitance with holder capacitance balanced out.
- Total capacitance including a Benjamin B7.6 ceramic holder Type 75/633 and cylindrical screen Type 75/632. This holder has a radial shield between pins 1 and 7.

### DIMENSIONS

- **Maximum Overall Length (mm)**: 54
- **Maximum Diameter (mm)**: 19
- **Maximum Seated Height (mm)**: 47.5
- **Approximate Nett Weight (ozs)**: 1
- **Approximate Packed Weight (ozs)**: 4

### MOUNTING POSITION
- Unrestricted.
EDISWAN
MAZDA
10D2
DOUBLE DIODE (Separate Cathodes)
Indirectly heated—for series operation

BULB - Clear
BASE - B.7.G.

Viewed from free end of pins

CONNECTIONS

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