**EDISWAN MAZDA 6LI**
**TELEVISION TWIN TRIODE**
Indirectly heated—for parallel operation

### REPLACEMENT TYPE

<table>
<thead>
<tr>
<th><strong>RATING</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Heater Voltage (volts)</td>
<td>$V_h$</td>
</tr>
<tr>
<td>Heater Current (amps)</td>
<td>$I_h$</td>
</tr>
<tr>
<td>Maximum Anode Voltage (volts)</td>
<td>$V_a(\text{max})$</td>
</tr>
<tr>
<td>Mutual Conductance (mA/V)</td>
<td>$g_m$</td>
</tr>
<tr>
<td>Amplification Factor</td>
<td>$\mu$</td>
</tr>
<tr>
<td>Maximum Anode Dissipation (watts) (either section)</td>
<td>$P_a(\text{max})$</td>
</tr>
<tr>
<td>Maximum Total Anode Dissipation (watts)</td>
<td>$P_a(\text{tot})\text{max}$</td>
</tr>
</tbody>
</table>

* Taken at $V_a=200$ volts; $I_a=10\text{mA}$.
† The permissible anode dissipation rating is a function of the grid cathode resistance and the circuit employed.

### INTER-ELECTRODE CAPACITANCES (pF)

| Grid 1/Anode 1 | $c_{g'\text{-}a'}$ | 2.7 | 2.9 |
| Grid 2/Anode 2 | $c_{g''\text{-}a''}$ | 2.6 | 2.8 |
| Grid 1/Earth | $c_{g'\text{-}E}$ | 2.8 | 4.1 |
| Grid 2/Earth | $c_{g''\text{-}E}$ | 2.8 | 4.1 |
| Anode 1/Earth | $c_{a'\text{-}E}$ | 2.4 | 3.7 |
| Anode 2/Earth | $c_{a''\text{-}E}$ | 2.2 | 3.5 |
| Anode 1/Anode 2 | $c_{a'\text{-}a''}$ | 0.62 | 0.62 |
| Grid 1/Grid 2 | $c_{g'\text{-}g''}$ | 0.016 | 0.017 |
| Grid 1/Anode 2 | $c_{g'\text{-}a''}$ | 0.033 | 0.034 |
| Grid 2/Anode 1 | $c_{g''\text{-}a'}$ | 0.09 | 0.1 |

† Inter-electrodes capacitances with holder capacitance balanced out.
§ Total capacitances including a Benjamin B8A moulded holder measured at a frequency of 1 Mc/s.
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DIMENSIONS
Maximum Overall Length (mm) 67
Maximum Diameter (mm) 22
Maximum Seated Height (mm) 54
Radius over Location Key (mm) 12.25

MOUNTING POSITION—Unrestricted.

BULB—Clear.

BASE—B8A

Viewed from free end of pins

CONNECTIONS
Pin 1  Heater  h
Pin 2  Anode 2  a''
Pin 3  Grid 2  g''
Pin 4  Cathode 2  k''
Pin 5  Anode 1  a'
Pin 6  Grid 1  g'
Pin 7  Cathode 1  k'
Pin 8  Heater  h

Indicates a change

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SIEMENS EDISON SWAN LIMITED
EDISWAN
MAZDA
6L1
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AVERAGE CHARACTERISTIC CURVES

ANODE CURRENT—MILLIAMPS

Indicates a change

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