The 2AS2 is a heater-cathode type diode in a T-9 compactron envelope. It is designed for use as a high-voltage rectifier in television receivers.

**DIRECT INTERELECTRODE CAPACITANCES**

*Without external shield*

| Plate to Heater, Cathode and Internal Shield | (Approx.) | 1.4 | pf |

**HEATER CHARACTERISTICS AND RATINGS**

*Design maximum values - see EIA Standard RS-239*

<table>
<thead>
<tr>
<th>Average Characteristics</th>
<th>2.5 Volts</th>
<th>MA.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limits of Applied Voltage</td>
<td>2.5 ± 0.4 Volts</td>
<td></td>
</tr>
</tbody>
</table>

**MAXIMUM RATINGS**

*Design maximum values - see EIA Standard RS-239*

**Flyback Rectifier Service**

- Peak inverse plate voltage
  - DC component: 24 Kvolts
  - Total DC and peak: 30 Kvolts
  - Steady-state peak current: 80 MA.
  - DC output current: 1.5 MA.

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For operation in a 525-line, 30-frame system as described in 'Standards of Good Engineering Practice for Television Broadcasting Stations; Federal Communications Commission', the duty cycle of the voltage pulse must not exceed 15 percent of one scanning cycle.

Continued on following page.
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AVERAGE CHARACTERISTICS

TUBE VOLTAGE DROP, APPROX.
1b = 7.0 MA.

100 VOLTS