DIODE

FOR DAMPING SERVICE IN T.V. RECEIVERS

COATED UNIPOTENTIAL CATHODE ANY MOUNTING POSITION

THE 25W4GT IS AN INDIRECTLY HEATED HALF-WAVE RECTIFIER IN THE T-9 OCTAL CONSTRUCTION. IT IS DESIGNED FOR SERVICE AS THE DAMPING DIODE IN DIRECT-DRIVE SWEEP CIRCUITS IN TELEVISION RECEIVERS, IT MAY ALSO BE USED IN CONVENTIONAL RECTIFIER APPLICATIONS.

DIRECT INTERELECTRODE CAPACITANCES WITHOUT EXTERNAL SHIELD

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEATER TO CATHODE</td>
<td>11 pf</td>
</tr>
<tr>
<td>PLATE TO CATHODE AND HEATER</td>
<td>6.0 pf</td>
</tr>
<tr>
<td>CATHODE TO PLATE AND HEATER</td>
<td>17 pf</td>
</tr>
</tbody>
</table>

HEATER CHARACTERISTICS AND RATINGS

DESIGN CENTER VALUES (EXCEPT AS NOTED) • SEE EIA STANDARD RS-229

AVERAGE CHARACTERISTICS

- **25 VOLTS**
- **300 mA**

MAXIMUM HEATER-CATHODE VOLTAGE

- HEATER NEGATIVE WITH RESPECT TO CATHODE DC - ABSOLUTE MAXIMUM **500 VOLTS**
- HEATER POSITIVE WITH RESPECT TO CATHODE DC **100 VOLTS**
- TOTAL DC AND PEAK **200 VOLTS**

CONTINUED ON FOLLOWING PAGE
MAXIMUM RATINGS
DESIGN CENTER VALUES (EXCEPT AS NOTED) • SEE EIA STANDARD RS-239

PEAK INVERSE PLATE VOLTAGE - ABSOLUTE MAXIMUM 3,850 VOLTS
PLATE DISSIPATION 3.5 WATTS
STEADY STATE PEAK CURRENT 750 mA
DC PLATE CURRENT 125 mA

NOTE - 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 HORIZONTAL VOLTAGE PULSE NOT TO EXCEED 15% OF A SCANNING CYCLE.

CHARACTERISTICS

TUBE VOLTAGE DROP FOR I_b = 250 mA 21 VOLTS