
DIRECT INTERELECTRODE CAPACITANCES - APPROX.
WITHOUT EXTERNAL SHIELD

CATHODE TO PLATE AND HEATER: K TO (P + H) 10 pf
PLATE TO CATHODE AND HEATER: P TO (K + H) 8.0 pf
HEATER TO CATHODE: (H TO K) 3.4 pf

HEATER CHARACTERISTICS AND RATINGS
DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS 6.3 VOLTS 1200 MA

HEATER SUPPLY LIMITS:
VOLTAGE OPERATION - AC OR DC 6.3 ± 0.6 VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:
HEATER NEGATIVE WITH RESPECT TO CATHODE
DC COMPONENT 900 VOLTS
TOTAL DC AND PEAK 5000 VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE
DC COMPONENT 100 VOLTS
TOTAL DC AND PEAK 300 VOLTS

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MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

TV DAMPER SERVICE SEE BELOW

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value 1</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEAK INVERSE PLATE VOLTAGE</td>
<td>5000</td>
<td>VOLTS</td>
</tr>
<tr>
<td>PLATE DISSIPATION</td>
<td>6.5</td>
<td>WATTS</td>
</tr>
<tr>
<td>STEADY STATE PEAK PLATE CURRENT</td>
<td>1200</td>
<td>MA</td>
</tr>
<tr>
<td>DC OUTPUT CURRENT</td>
<td>200</td>
<td>MA</td>
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</table>

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.

AVERAGE CHARACTERISTICS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value 2</th>
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</thead>
<tbody>
<tr>
<td>TUBE VOLTAGE DROP, Ib = 350 MA, DC</td>
<td>22.5</td>
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</table>