
DIRECT INTERELECTRODE CAPACITANCES - APPROX.

<table>
<thead>
<tr>
<th>Capacitance</th>
<th>Value (pf)</th>
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</thead>
<tbody>
<tr>
<td>Plate to heater and cathode</td>
<td>8.5</td>
</tr>
<tr>
<td>Cathode to heater and plate</td>
<td>11.5</td>
</tr>
<tr>
<td>Heater to cathode</td>
<td>4</td>
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</tbody>
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HEATER CHARACTERISTICS AND RATINGS

AVERAGE CHARACTERISTICS: 16.8 VOLTS 450 MA.

HEATER SUPPLY LIMITS:
CURRENT OPERATION: 450±27 MA.

MAXIMUM PEAK HEATER CATHODE VOLTAGE:
HEATER NEGATIVE WITH RESPECT TO CATHODE: 5000A VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE: 300B VOLTS
HEATER WARM-UP TIME (AVERAGE): 11 SECONDS

CONTINUED ON FOLLOWING PAGE
MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

DAMPER SERVICE

PEAK INVERSE PLATE VOLTAGE 5000\(^{\text{D}}\) VOLTS
PEAK PLATE CURRENT 1100 MA.
DC PLATE CURRENT 175 MA.
PLATE DISSIPATION 6.5 WATTS

CHARACTERISTICS

TUBE VOLTAGE DROP FOR PLATE CURRENT OF 400 MA. APPROXIMATE 35 VOLTS

A. THE DC COMPONENT MUST NOT EXCEED 900 VOLTS.

B. THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

C. HEATER WARM-UP TIME IS DEFINED AS THE TIME REQUIRED FOR THE VOLTAGE ACROSS THE HEATER TO REACH 80% OF ITS RATED VOLTAGE AFTER APPLYING 4 TIMES RATED HEATER VOLTAGE TO A CIRCUIT CONSISTING OF THE TUBE HEATER IN SERIES WITH A RESISTANCE OF VALUE 3 TIMES THE NOMINAL HEATER OPERATING RESISTANCE.

D. FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCAST STATIONS: FEDERAL COMMUNICATIONS COMMISSION", THE DUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 35% OF ONE SCANNING CYCLE. (35% OF ONE HORIZONTAL SCANNING CYCLE IS 20 MICROSECONDS.)