HIGH VACUUM RECTIFIER

Service Types CV2160, CV8051

To be read in conjunction with the Rectifier and Thyatron Preamble.

DESCRIPTION
High vacuum half-wave rectifier.

MAXIMUM RATINGS
Peak inverse anode voltage .............. 45 kV max
Peak anode current ..................... 1.1 A max
Mean anode current .................... 350 mA max
Anode dissipation ..................... 130 W max
Bulb temperature ...................... 200 °C max

GENERAL DATA
Electrical
Filament ................................ thoriated tungsten
Filament voltage ....................... 4.0 V
Filament current ....................... 12 A
Nominal impedance (at 300mA) .......... 600 Ω

Mechanical
Overall length ......................... 9.842 inches (250mm) max
Overall diameter ...................... 2.362 inches (60mm) max
Net weight ............................. 11 ounces (310g) approx
Mounting position ..................... vertical, base up or down
Base .................................. Goliath Edison screw E40/45
Cooling ................................ natural

X-ray Warning
X-rays are emitted from the A207 if the peak inverse anode voltage exceeds 16kV. These rays can constitute a health hazard unless the tube is adequately shielded for X-ray radiation. This is entirely a function of high voltage devices and does not reflect upon the design of the tube.

April 1971
TYPICAL ANODE CHARACTERISTIC

ANODE VOLTAGE IN VOLTS

ANODE CURRENT IN AMPERES
OUTLINE

<table>
<thead>
<tr>
<th>Ref</th>
<th>Inches</th>
<th>Millimetres</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>9.842 max</td>
<td>250.0 max</td>
</tr>
<tr>
<td>B</td>
<td>2.362 max</td>
<td>60.0 max</td>
</tr>
<tr>
<td>C</td>
<td>0.375 ± 0.002</td>
<td>9.525 ± 0.051</td>
</tr>
<tr>
<td>D</td>
<td>0.500 min</td>
<td>12.70 min</td>
</tr>
<tr>
<td>E</td>
<td>1.531</td>
<td>38.89</td>
</tr>
</tbody>
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Millimetre dimensions have been derived from inches.