TECHNICAL SPECIFICATIONS FOR 7030

The Central 7030 is a forced-air cooled hard tube diode specifically designed for rectifier, charging and shunt diode service up to 30KV peak inverse voltage. The tube design features a special thoriated tungsten filament capable of high peak currents and long life. The external anode allows for high anode dissipation ratings and efficient air cooling. The 7030 can dissipate 2.5KW continuously at an air flow of 150 cfm.

SPECIFICATIONS:

PHYSICAL
Net Weight, Approximate 6 1/4 pounds
Max. Input Air Temp. 45°C
Max. Glass Seal Temp. 180°C
Mounting Position Vertical
Type of Cooling Forced Air
Air Flow Requirements

<table>
<thead>
<tr>
<th>cfm</th>
<th>Dissipation</th>
<th>Press. Drop (in. of water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>2.5</td>
<td>2.5</td>
</tr>
<tr>
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<tr>
<td>90</td>
<td>1.5</td>
<td>.9</td>
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</tr>
<tr>
<td>50</td>
<td>0.5</td>
<td>.5</td>
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</table>

Inter-electrode Capacitance 12 /μf

ELECTRICAL (RECTIFIER):
Filament Thoriated Tungsten
Filament Voltage 13 Volts
Filament Current 36 Amperes
Filament Starting Current Full filament voltage may be applied to the cold filament.

Peak Inverse Voltage 25KV
Peak Plate Current 20 Amps
Average Plate Current 6 Amps

ELECTRICAL (CLIPPER AND SHUNT):
Filament Voltage 13.75 volts
Filament Current 38 Amps
Peak Inverse Voltage 30KV 30KV
Peak Plate Current 50 Amps 75 Amps
Average Plate Current .7 Amps 2 Amps