400 W, C-Band Helix TWT Series
Helix CW Traveling Wave Tube
5.850 - 7.025 GHz

FEATURES
• 400 Watt
• 5.85 GHz - 7.025 GHz
• Coaxial Input
• Waveguide Output
• Weight: 16 lbs.
• Air Cooled

TYPICAL OPERATING PARAMETERS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FREQUENCY (GHz)</th>
<th>POWER OUTPUT (MIN)</th>
<th>MINIMUM</th>
<th>MAXIMUM</th>
<th>TYPICAL</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTC-6361H1</td>
<td>5.850 - 6.425</td>
<td>400 W</td>
<td>6.0</td>
<td>6.6</td>
<td>---</td>
<td>V</td>
</tr>
<tr>
<td>VTC-6361H1X</td>
<td>5.850 - 7.025</td>
<td>400 W</td>
<td>---</td>
<td>5.0</td>
<td>---</td>
<td>A</td>
</tr>
</tbody>
</table>

Custom configurations are also available. These variations in the performance and configuration include:
• mechanical configurations
• electrical and RF connections
• dual-stage depressed collector

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.

For information on this and other CPI products, visit our website at: www.cpii.com, or contact: CPI MPP Division, 811 Hansen Way, Palo Alto, CA 94304
TELEPHONE: 1(800) 414-8823. FAX: 1(650) 856-0705 | EMAIL: marketing@cpii.com

MiniMuM         MaxiM uM         t YPiCal   units
heater Voltage: 6.0 6.6 ---  V
heater surge Current: --- 5.0 ---  A
helix Voltage: 8.0 9.6 ---  kVdc
helix Current: --- 20.0 ---  mA
Collector Voltage 4.6 6.4 ---  kVdc
Cathode Current 350 ---  mA
Heater Warm-up Time: 3.0 ---  Minutes
Drive Power: --- 20 ---  mW
Prime Power: ---  ---  W
Load VSWR: --- 1.7:1 ---  VSWR
Air Flow: 360 ---  lb/hr
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