Electronic Warfare Products

Power Supplies
Transmitters
Solid State Power Amplifiers
Integrated Microwave Assemblies
Electronic Warfare Products

Transmitters
• Available in 1 - 18 GHz
• Low noise figures
• Available in pulsed and CW modes

Power supplies
• Available in:
  - Low band
  - High band
  - I/J band
• Military Environment Qualified
• Efficient
• Compact

Applications:
• Missile seekers
• Airborne radar and EW
• Unmanned aerial vehicles (UAV)
• Ground based systems

Integrated Microwave Assemblies
• Available in .5 - 50 GHz
• Fast switching time
• Fast recovery time
• Military environment qualified
• Available with or coax interfaces
• Efficient
• Compact
• Long pulse
• High duty
Solid State Power Amplifiers

- GaN based products
- Modular approach
- High power capabilities
- Ruggedized design

For more electronic warfare products:
www.cpii.com/bmd
Electronic Warfare Products

With a solid understanding of the specifications required for the EW marketplace, CPI provides the industry proven design techniques and engineering expertise, to meet the rigid and dependable standards of electronic warfare products.

Transmitters

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency (GHz)</th>
<th>Output Power</th>
<th>Duty Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low band</td>
<td>2 – 8 Ghz</td>
<td>Up to 4 kW</td>
<td>Various</td>
</tr>
<tr>
<td>High band</td>
<td>8 – 18 Ghz</td>
<td>Up to 8 kW</td>
<td>Various</td>
</tr>
<tr>
<td>I/J band</td>
<td>6 – 18 Ghz</td>
<td>Up to 200 W</td>
<td>CW</td>
</tr>
</tbody>
</table>

Solid State Power Amplifiers

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency</th>
<th>Peak Power</th>
<th>Average power</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-band</td>
<td>2.6 – 3.5 GHz</td>
<td>1 – 13 kW</td>
<td>10 - 15 %</td>
</tr>
<tr>
<td>C-band</td>
<td>5.2 – 5.9 GHz</td>
<td>1 - 50 kW</td>
<td>10%</td>
</tr>
<tr>
<td>X-band</td>
<td>7.8 – 9.8 GHz</td>
<td>1 – 12 kW</td>
<td>10 - 15 %</td>
</tr>
<tr>
<td>Ku-band*</td>
<td>Various</td>
<td>Up to 1 kW</td>
<td>Pulsed and CW</td>
</tr>
</tbody>
</table>

* Currently in development.

Customized for your application.
Ask us about integrating your designs today.