CPI BMD receiver protectors are customizable and can be designed to meet specific frequency bands, power requirements and mechanical configurations.

With a history of producing high quality products, we can help you with your high power limiters.

Contact us at BMDMarketing@cpii.com or at call us at +1 978-922-6000.

FEATURES:
- Single and dual configurations
- Variable attenuation
- Excess noise generation
- Waveguide to coax transitions

BENEFITS:
- Low loss
- Out of band filtering
- Low output leakage

APPLICATIONS:
- Specification variations available for various market uses

### Typical Operating Parameters

<table>
<thead>
<tr>
<th></th>
<th>L-Band</th>
<th>S-Band</th>
<th>C-Band</th>
<th>X-Band</th>
<th>Ku-Band</th>
<th>Ka-Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak Power Handling</td>
<td>1 mW</td>
<td>500 kW</td>
<td>250 kW</td>
<td>100 kW</td>
<td>50 kW</td>
<td>10 kW</td>
</tr>
<tr>
<td>Average Power Handling</td>
<td>1 kW</td>
<td>500 W</td>
<td>250 W</td>
<td>100 W</td>
<td>50 W</td>
<td>10 W</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>5 µs</td>
<td>5 µs</td>
<td>5 µs</td>
<td>5 µs</td>
<td>5 µs</td>
<td>1 µs</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.4 dB</td>
<td>0.5 dB</td>
<td>0.8 dB</td>
<td>1.0 dB</td>
<td>1.5 dB</td>
<td>2.0 dB</td>
</tr>
<tr>
<td>Flat Leakage</td>
<td>50 mW</td>
<td>50 mW</td>
<td>50 mW</td>
<td>50 mW</td>
<td>50 mW</td>
<td>75 mW</td>
</tr>
<tr>
<td>Spike Leakage</td>
<td>150 mW</td>
<td>150 mW</td>
<td>150 mW</td>
<td>150 mW</td>
<td>200 mW</td>
<td>400 mW</td>
</tr>
<tr>
<td>Recovery Time</td>
<td>10 µs</td>
<td>10 µs</td>
<td>10 µs</td>
<td>5 µs</td>
<td>2 µs</td>
<td>1 µs</td>
</tr>
</tbody>
</table>
Communications & Power Industries High Power Plasma Receiver Protectors PRE-TR Limiters

FEATURES:
- L, S, C, X, Ku and Ka-bands
- Variable attenuation
- Excess noise generation
- Waveguide to coax transitions

BENEFITS:
- Extremely high power handling
- Fast recovery time
- Low radioactive content

APPLICATIONS:
- Air traffic control radars
- Specification variations available for various market uses

Specifications

<table>
<thead>
<tr>
<th>Frequency</th>
<th>L-Band</th>
<th>S-Band</th>
<th>C-Band</th>
<th>X-Band</th>
<th>Ku-Band</th>
<th>Ka-Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Power Handling</td>
<td>1 MW</td>
<td>500 kW</td>
<td>500 kW</td>
<td>250 kW</td>
<td>250 kW</td>
<td>100 kW</td>
</tr>
<tr>
<td>Average Power Handling</td>
<td>10 kW</td>
<td>7 kW</td>
<td>5 kW</td>
<td>5 kW</td>
<td>2 kW</td>
<td>100 W</td>
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<tr>
<td>Pulselength</td>
<td>100 ms</td>
<td>100 ms</td>
<td>100 ms</td>
<td>100 ms</td>
<td>100 ms</td>
<td>100 ms</td>
</tr>
<tr>
<td>Insertion loss</td>
<td>0.5 dB</td>
<td>0.6 dB</td>
<td>0.8 dB</td>
<td>1.0 dB</td>
<td>1.5 dB</td>
<td>1.8 dB</td>
</tr>
<tr>
<td>Flat leakage</td>
<td>50 mW</td>
<td>20 mW</td>
<td>20 mW</td>
<td>20 mW</td>
<td>20 mW</td>
<td>20 mW</td>
</tr>
<tr>
<td>Spike leakage</td>
<td>200 mW</td>
<td>100 mW</td>
<td>100 mW</td>
<td>100 mW</td>
<td>100 mW</td>
<td>100 mW</td>
</tr>
<tr>
<td>Recovery Time</td>
<td>5 ms</td>
<td>2 ms</td>
<td>1 ms</td>
<td>1 ms</td>
<td>.5 ms</td>
<td>.5 ms</td>
</tr>
</tbody>
</table>

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