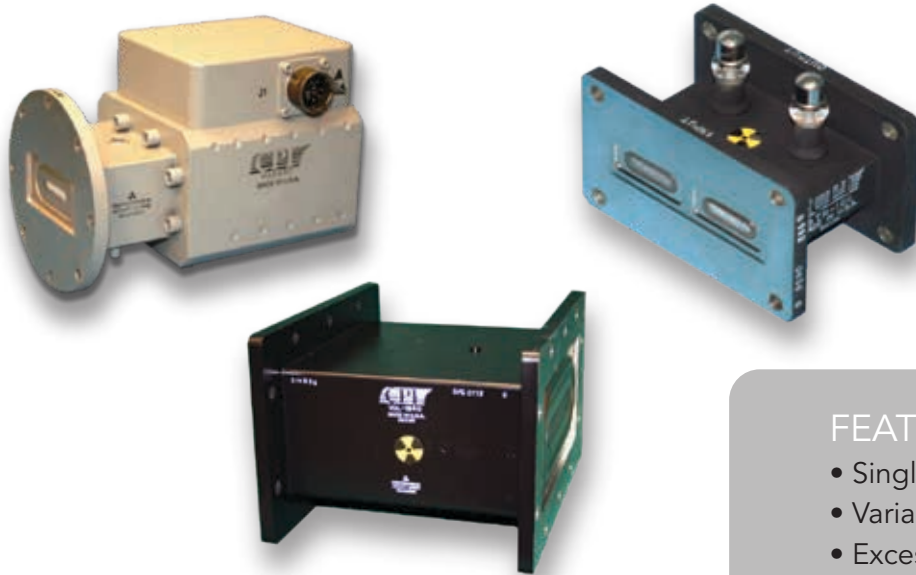


Plasma Receiver Protectors TR Tubes & TR Limiters

Communications & Power Industries Plasma Receiver Protectors TR Tubes & TR Limiters



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:

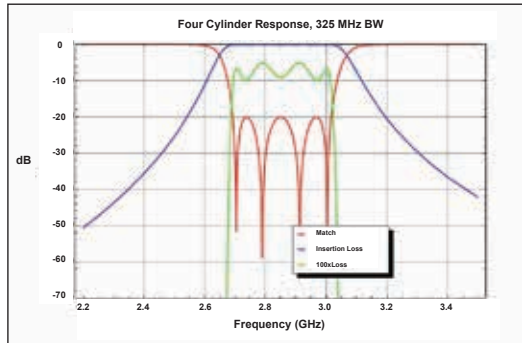
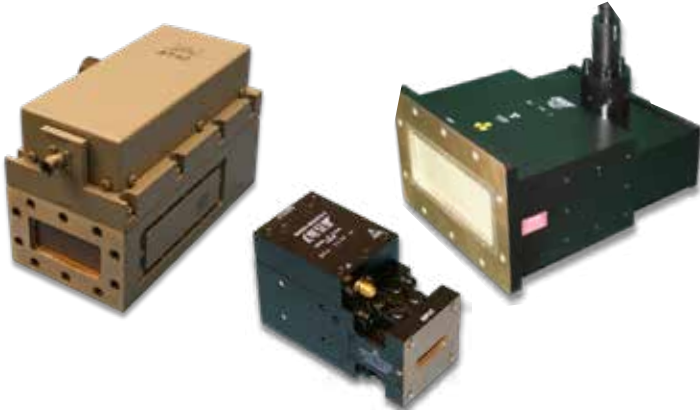
- Specification variations available for various market uses

Typical Operating Parameters

| Frequency | L-Band | S-Band | C-Band | X-Band | Ku-Band | Ka-Band |
|------------------------|------------|------------|------------|-----------|-----------|-----------|
| Peak Power Handling | 1 mW | 500 kW | 250 kW | 100 kW | 50 kW | 10 kW |
| Average Power Handling | 1 kW | 500 W | 250 W | 100 W | 50 W | 10 W |
| Pulse Width | 5 μ s | 5 μ s | 5 μ s | 5 μ s | 5 μ s | 1 μ s |
| Insertion Loss | 0.4 dB | 0.5 dB | 0.8 dB | 1.0 dB | 1.5 dB | 2.0 dB |
| Flat Leakage | 50 mW | 50 mW | 50 mW | 50 mW | 50 mW | 75 mW |
| Spike Leakage | 150 mW | 150 mW | 150 mW | 150 mW | 200 mW | 400 mW |
| Recovery Time | 10 μ s | 10 μ s | 10 μ s | 5 μ s | 2 μ s | 1 μ s |

High Power Plasma Receiver Protectors PRE-TR Limiters

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:

- Airt traffic control radars
- Specification variations available for various market uses

Specifications

| Frequency | L-Band | S- Band | C- Band | X- Band | Ku-Band | Ka-Band |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Peak Power Handling | 1 MW | 500 kW | 500 kW | 250 kW | 250 kW | 100 kW |
| Average Power Handling | 10 kW | 7 kW | 5 kW | 5 kW | 2 kW | 100 W |
| Pulsewidth | 100 μ s | 100 μ s | 100 μ s | 100 μ s | 100 μ s | 100 μ s |
| Insertion loss | 0.5 dB | 0.6 dB | 0.8 dB | 1.0 dB | 1.5 dB | 1.8 dB |
| Flat leakage | 50 mW | 20 mW | 20 mW | 20 mW | 20 mW | 20 mW |
| Spike leakage | 200 mW | 100 mW | 100 mW | 100 mW | 100 mW | 100 mW |
| Recovery Time | 5 μ s | 2 μ s | 1 μ s | 1 μ s | .5 μ s | .5 μ s |

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, contact us to help you with your receiver protector needs.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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