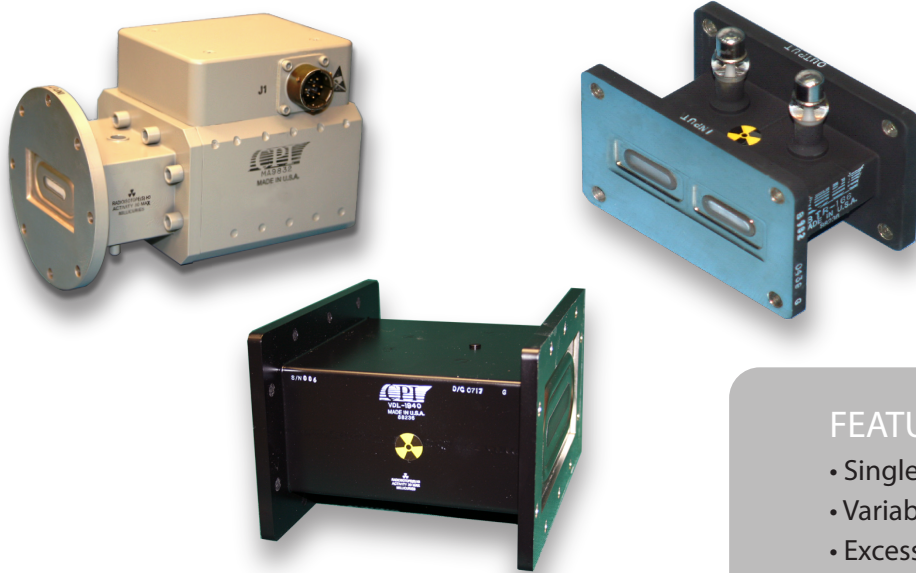


Plasma Receiver Protectors TR Tubes & TR Limiters

CPI Electron Device Business - Plasma Receiver Protectors TR Tubes & TR Limiters



CPI EDB 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 ElectronDevices@cpi-edb.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:

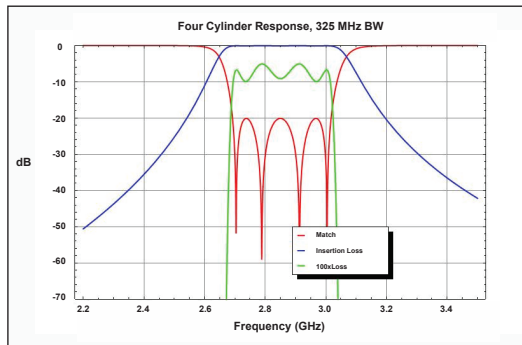
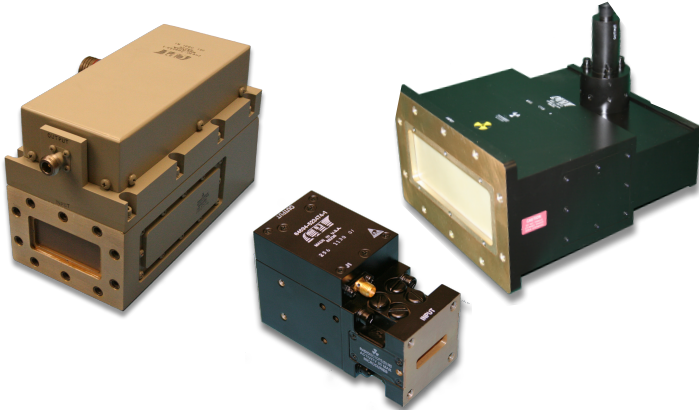
- Specification variations available for various market uses

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

CPI Electron Device Business - 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

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

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