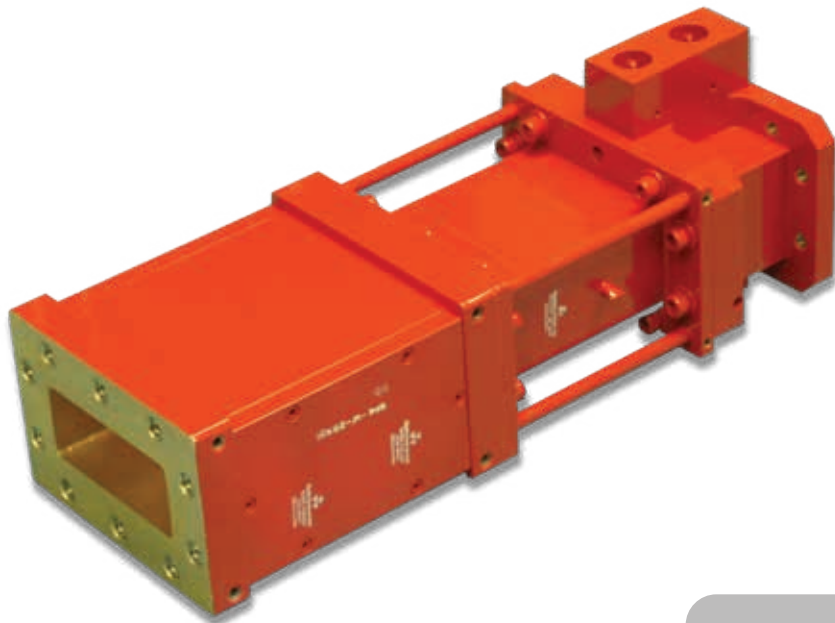


## Communications & Power Industries Receiver Protector



With a history of producing high quality products, we can help your with receiver protector.

Contact us at [BMDMarketing@cpii.com](mailto:BMDMarketing@cpii.com) or at call us at +1 978-922-6000.

### FEATURES:

- High power operation
- High duty cycle
- Wide pulsewidth
- Low leakage

### BENEFITS:

- World's largest manufacturer of receiver protectors
- State of the art facility with high level of vertical integration
- Extensive high power test capability
- In-house environmental test facility
- Computer modeling and automatic test capabilities

### APPLICATIONS:

- Ground based systems
- Naval radars
- Air traffic control radars
- Weather radars

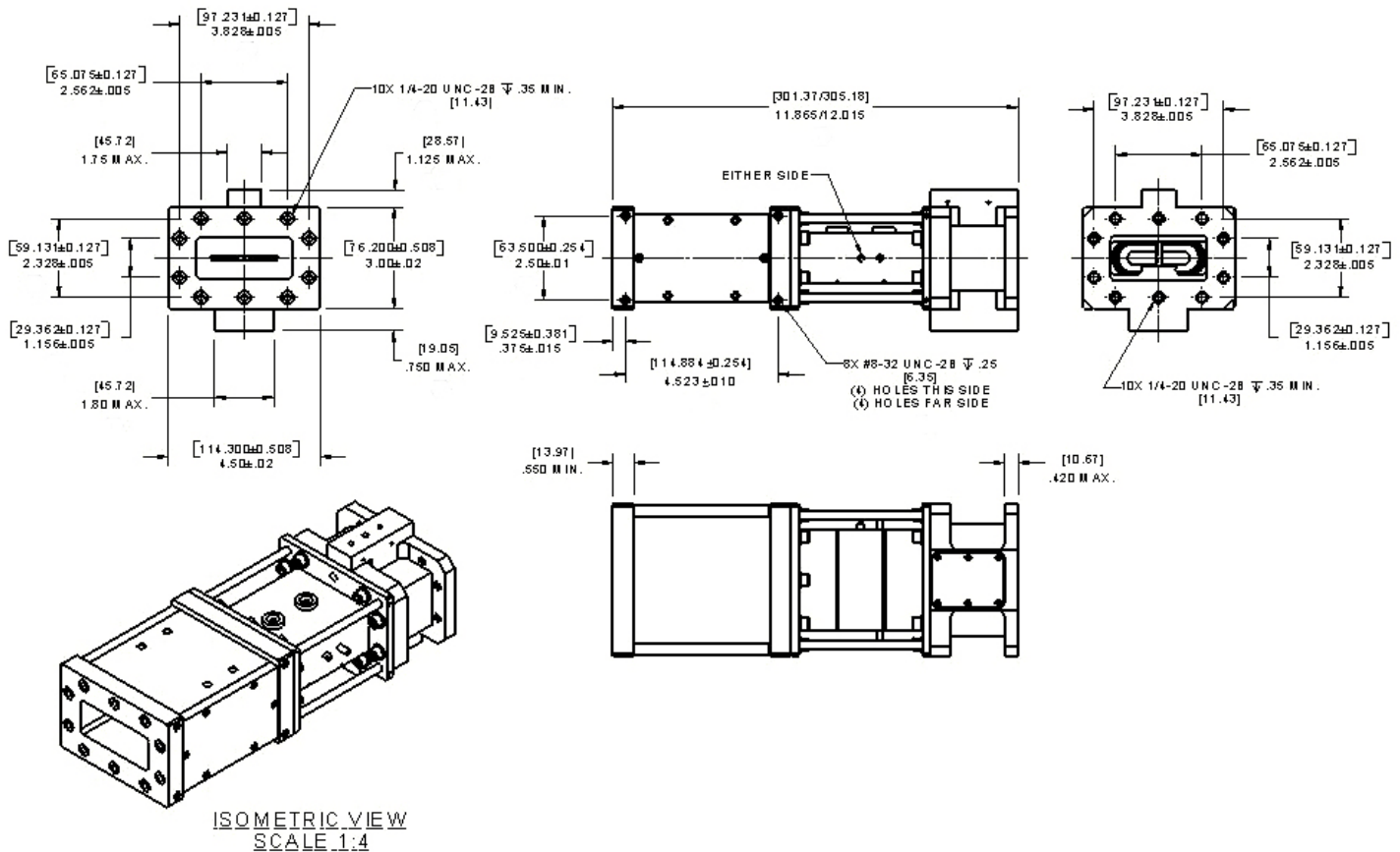
# CPI S-Band 50 kW Receiver Protector: VDS1124

## Electrical Specifications

Operating frequency	2.7 – 2.9 GHz
Maximum overload power	50 kW peak
Maximum normal operating power	5 kW peak
Maximum pulsewidth	100 μSec
Maximum duty cycle	10%
Maximum insertion loss	0.5 dB
Maximum VSWR	1.4:1
Maximum spike leakage power	150 mW
Maximum flat leakage power	50 mW
Maximum recovery time (-3dB)	3.0 μSec

## Mechanical and Environmental Specifications

RF input	WR284
RF output	WR284
Dimensions	See outline drawing
Operating temperature	-30° to +60° C
Weight	15 lb max (6.8 kg)
Altitude	10,000 ft max
Internal waveguide pressurization	40 PSI max



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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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