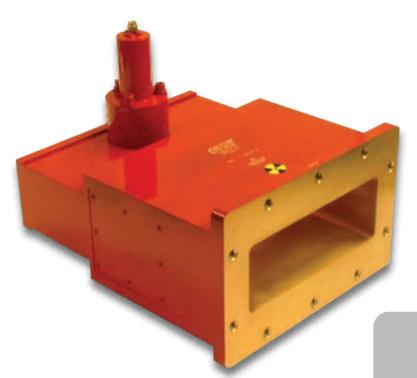
# **Communications & Power Industries Receiver Protector**



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

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

### **FEATURES**:

- Broad bandwidth
- Very low leakage
- Long life
- Compact size

#### **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:**

- Missile seekers
- Airborne radars
- Unmanned Aerial Vehicles (UAV)
- Ground based systems
- Naval radars
- Air traffic control radars
- Weather radars



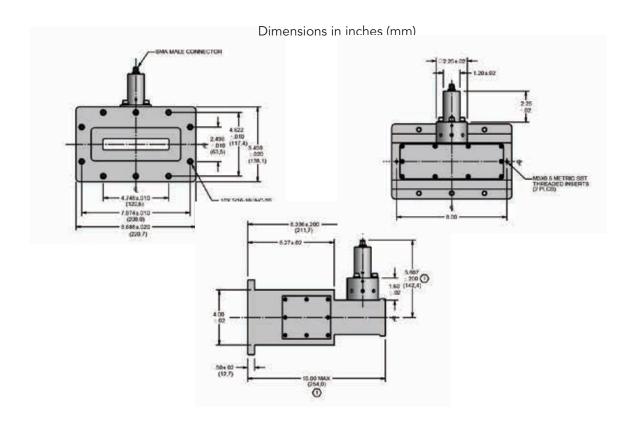
### CPI L-Band 50 kW Receiver Protector: VDL1774

### **Electrical Specifications**

Operating frequency	1.2 – 1.4 GHz
Peak power Maximum normal operating: Maximum overload:	7 kW 50 kW for 2 minutes
Maximum pulsewidth	150 μSec
Maximum duty cycle	0.10
Maximum insertion loss	0.5 dB
Maximum VSWR	1.4:1
Maximum spike leakage power	100 mW
Maximum flat leakage power	40 mW
Maximum breakdown power	50 mW
Maximum receover time (3dB)	4 μSec

## Mechanical and Environmental **Specifications**

RF input	WR650, UG418A/U
RF output	SMA Male
Dimensions	See outline drawing
Operating temperature	-20 <sup>°</sup> to +65 <sup>°</sup> C
Storage temperature	-40° to +70° C
Maximum humidity	95%
Shock	30 g. 11 mSec pulse, $\frac{1}{2}$ sine wave, 3 axes
Vibration	1.5 g. 5-200 Hz, 3 axes
Expected operating life Input power<1 kW peak	10,000 hours min.





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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 extend design. for system design.

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