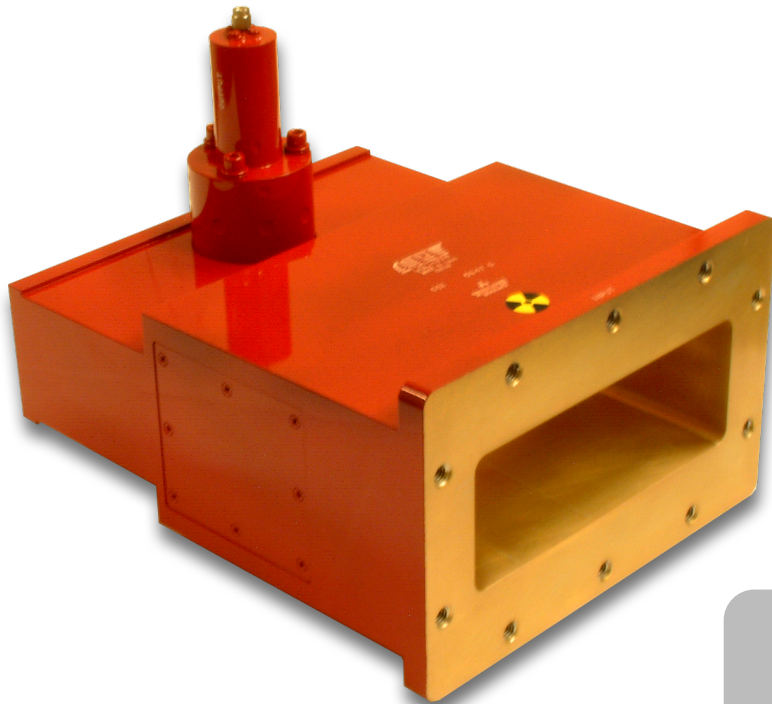


CPI Electron Device Business - Receiver Protector



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

Contact us at ElectronDevices@cpi-edb.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 EDB L-Band 50 kW Receiver Protector: VDL1774

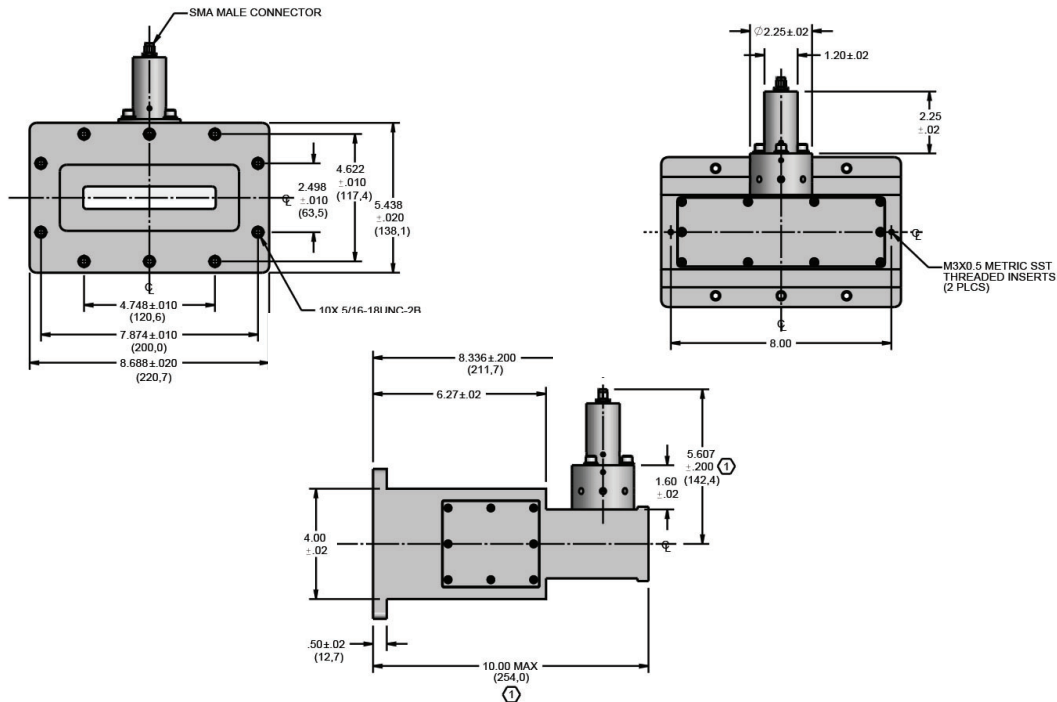
Electrical Specifications

Operating frequency	1.2 – 1.4 GHz
Peak power	
Maximum normal operating:	7 kW
Maximum overload:	50 kW for 2 minutes
Maximum pulsewidth	150 μ Sec
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 recover time (3dB)	4 μ Sec

Mechanical and Environmental Specifications

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

Dimensions in inches (mm)



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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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