Communications & Power Industries Receiver Protector Assembly



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:

- Wide pulse, high duty operation
- Absorptive protection
- Passive/Active receiver protector
- Input coupler
- Excess noise function
- Bandpass filter
- Field replaceable LNA
- BITE output for status monitoring

BENEFITS:

- World's largest manufacturer of receiver protectors
- State of the art facility with high level of vertical integration
- Extensive high power test capabilty
- 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



Electrical	Spe	cifica	ations
------------	-----	--------	--------

Licetifical opecifications		
Operating frequency Low loss state Protection state	9.5– 10.5 GHz 9.5 – 11.5 GHz	
Maximum overload power	100 kW peak	
Maximum normal operating power	2.8 kW peak	
Maximum pulsewidth	2300 uSec	
Maximum duty cycle	35%	
Maximum insertion loss (pre-LNA)	1.0 dB	
Maximum VSWR	1.3:1	
Maximum spike leakage power	100 mW	
Maximum flat leakage power	50 mW	
Maximum recovery time (-1dB)	5.0 uSec	
Input coupler	20 dB	
LNA Gain NF Bandpass filter	15 – 20 dB 1 dB max	
1 dB passband 40 dB rejection BW	9.25 – 10.75 GHz 4 GHz max	
Excess noise ratio	15 – 20 dB	

Note: See product specification for other performance details

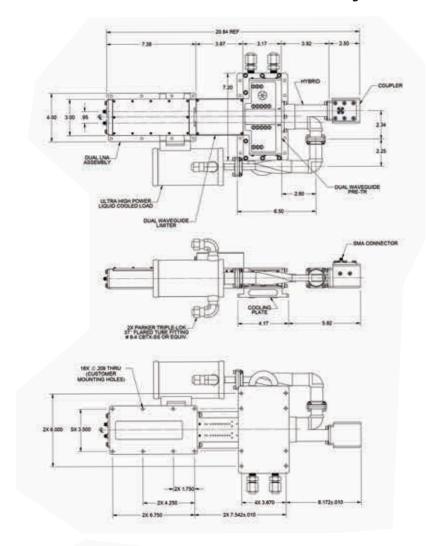
Mechanical and Environmental Specifications

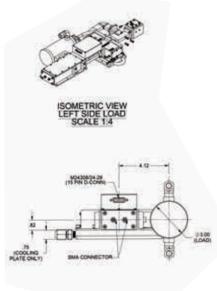
RF input	WR90
RF output	SMA(F)
Coupler output	SMA(F)
Attenuation, BITE & Noise controls	RS-422
Dimensions	See outline drawing
Operating temperature	-55° to +125° C
EMI	
RF leakeage	65 dBc min
Susceptibility	65 dB min
Altitude	15,000 ft max
Relative humidity	95% max
Internal waveguide pressurization	25 PSIG
Operational life	35000 hours
Water cooling	100 PSI

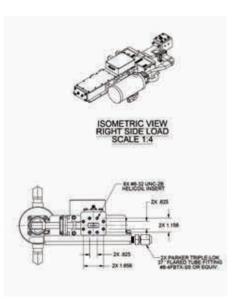
See product specification for other details



CPI X-Band 100 W Receiver Protector Assembly: VDX1937









Beverly Microwave Division 150 Sohier Road Beverly, Massachusetts web www.cpii.com USA 01915

fax

+1 978-922-8914

tel +1 978-922-6000

email BMDMarketing@cpii.com

fax +1 978-922-8914

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 refinements. Please contact CPI before using this information for system design.

©2020 Communications & Power Industries LLC. Company proprietary: use and reproduction is strictly prohibited without written authorization from CPI.