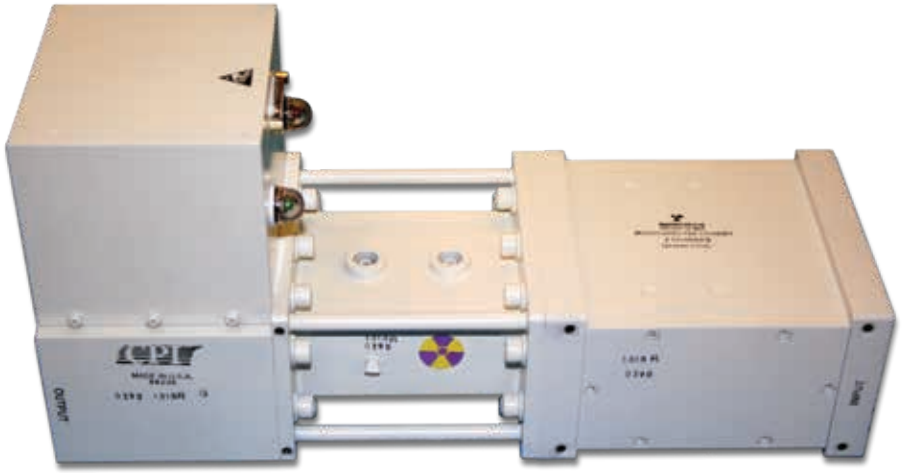
S-Band 150 kW Receiver Protector VDS1706

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:

- High power operation
- High duty cycle
- Integral BITE fault monitor
- Gate attenuation function

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 150 kW Receiver Protector: VDS1706

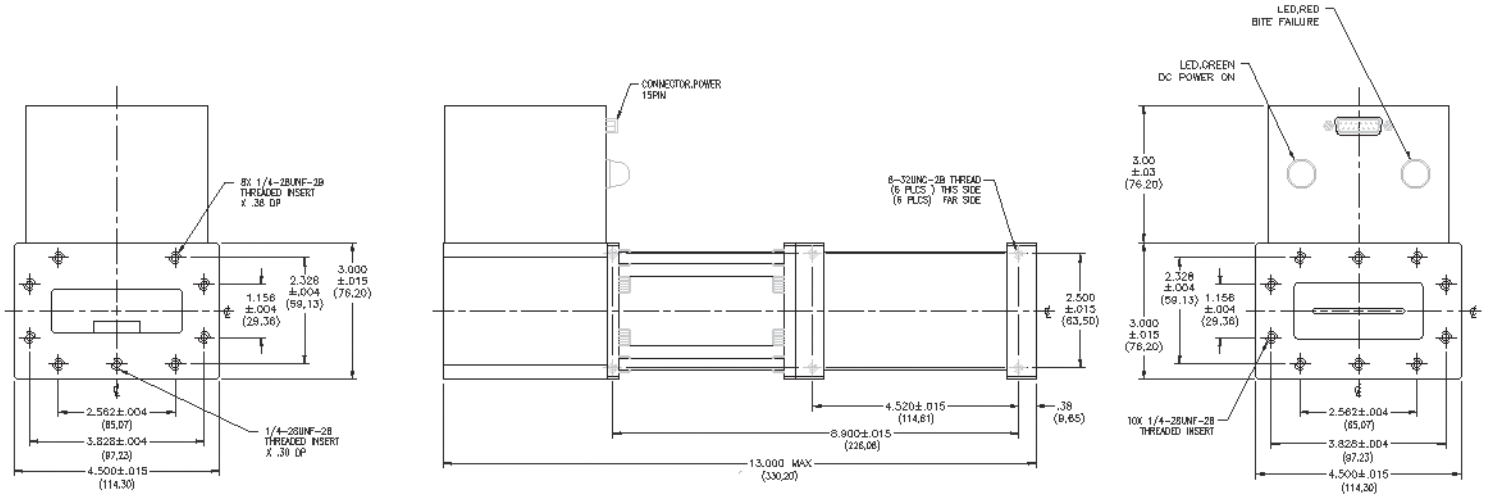
Electrical Specifications

Operating frequency	2.7 – 2.9 GHz
Maximum power	150 kW peak
Maximum pulsewidth*	10 µSec
Maximum duty cycle**	0.01
Maximum insertion loss	0.5 dB
Maximum VSWR	1.4:1
Maximum spike leakage power	250 mW
Maximum flat leakage power	100 mW
Maximum recovery time (-1dB)	1.5 uSec
Minimum switched attenuation	20 dB
Bias supplies	+15 VDC

BITE: Unit incorporates integral fault monitoring circuit which gives warning in the event of diode failure or high leakage. See product specification for details.

Mechanical and Environmental Specifications

RF input	WR284
RF output	WR284
Power/control connector	D-type, 15 pin
Dimensions	See outline drawing
EMI RF Leakage 2.7 – 2.9 GHz	65 dBc minimum
Susceptibility 2.7 – 2.9 GHz	65 dB minimum
2nd Harmonic 2.7 – 2.9 GHz 0 dBm	-60 dBc maximum



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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.