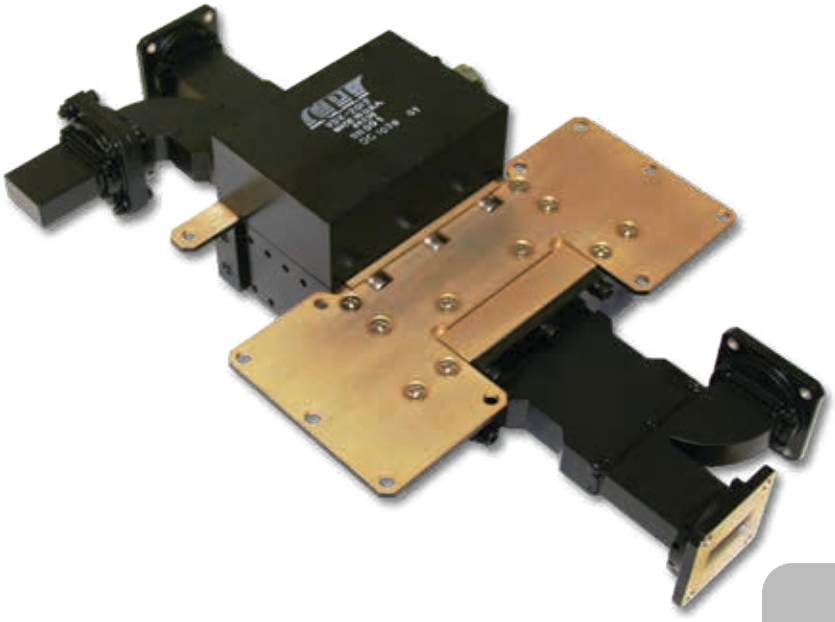
X-Band 100 kW Receiver Protector VDX2012

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:

- Wide pulse, high duty operation
- Absorptive protection
- Passive/Active receiver protector
- Gate attenuation function
- BITE output for status monitoring
- Long operating life

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

CPI Communications & Power Industries

www.cpii.com/bmd

CPI X-Band 100 kW Receiver Protector: VDX2012

Electrical Specifications

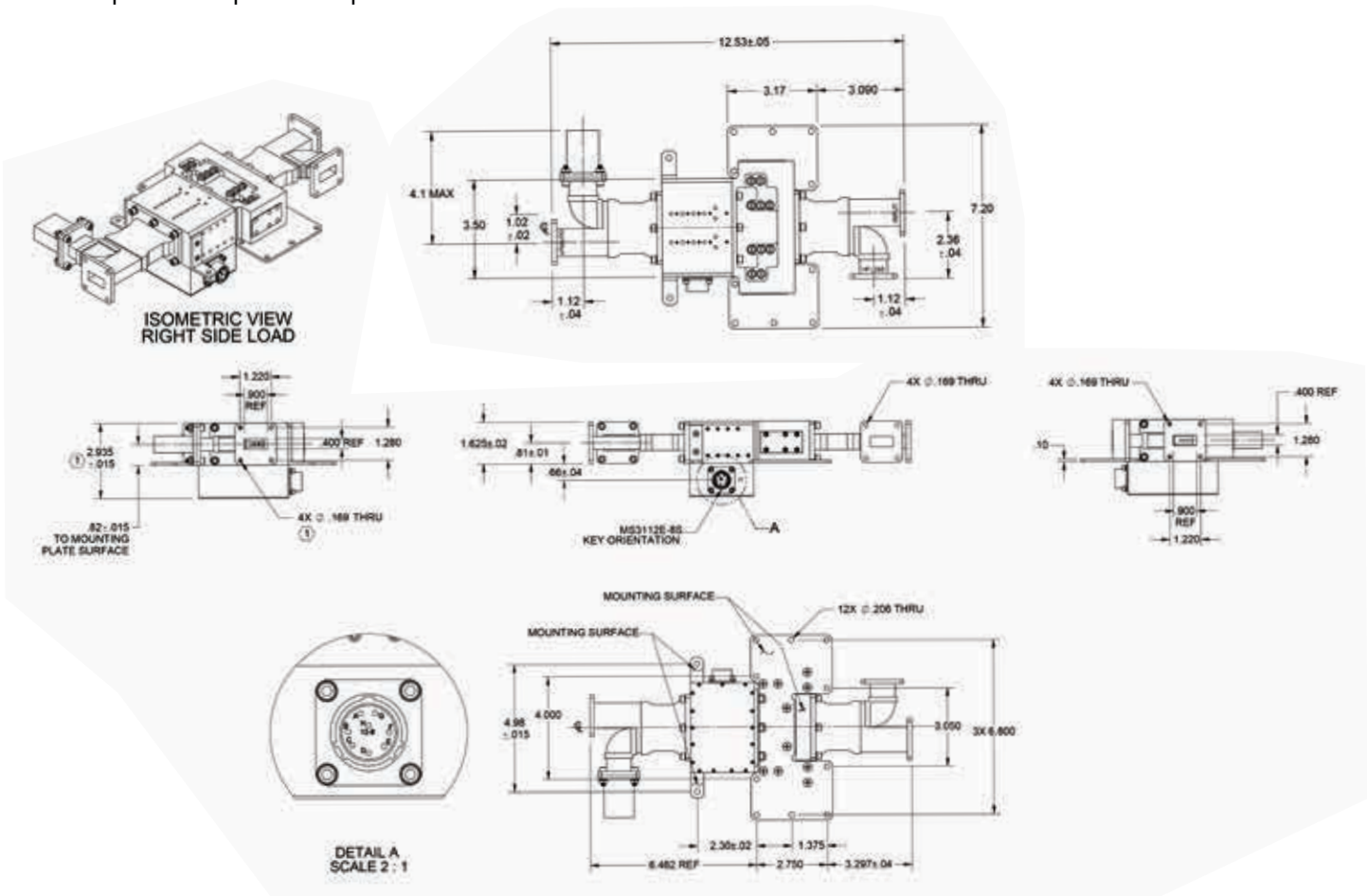
Operating frequency	9.5– 10.5 GHz
Maximum overload power	100 kW peak
Maximum normal operating power	2.0 kW peak
Maximum pulsewidth	200 µSec
Maximum duty cycle	35%
Maximum insertion loss	0.8 dB
Minimum return loss	17 dB
Maximum spike leakage power	150 mW
Maximum flat leakage power	40 mW
Maximum recovery time (-1dB)	5.0 µSec
Gated isolation	60 dB min

BITE output - See product specification for details

Mechanical and Environmental Specifications

RF input	WR90
RF output	WR90)
Bias supplies	+5 VDC + 24 VDC
Command input	Differential TTL
Dimensions	See outline drawing
Operating temperature	+10° to +40° C
Design operational life	75000 hours

See product specification for other details



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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.