

Communications & Power Industries Limiter



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

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

FEATURES:

- High duty cycle
- High average power
- Variable attenuator up to 45 dB

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

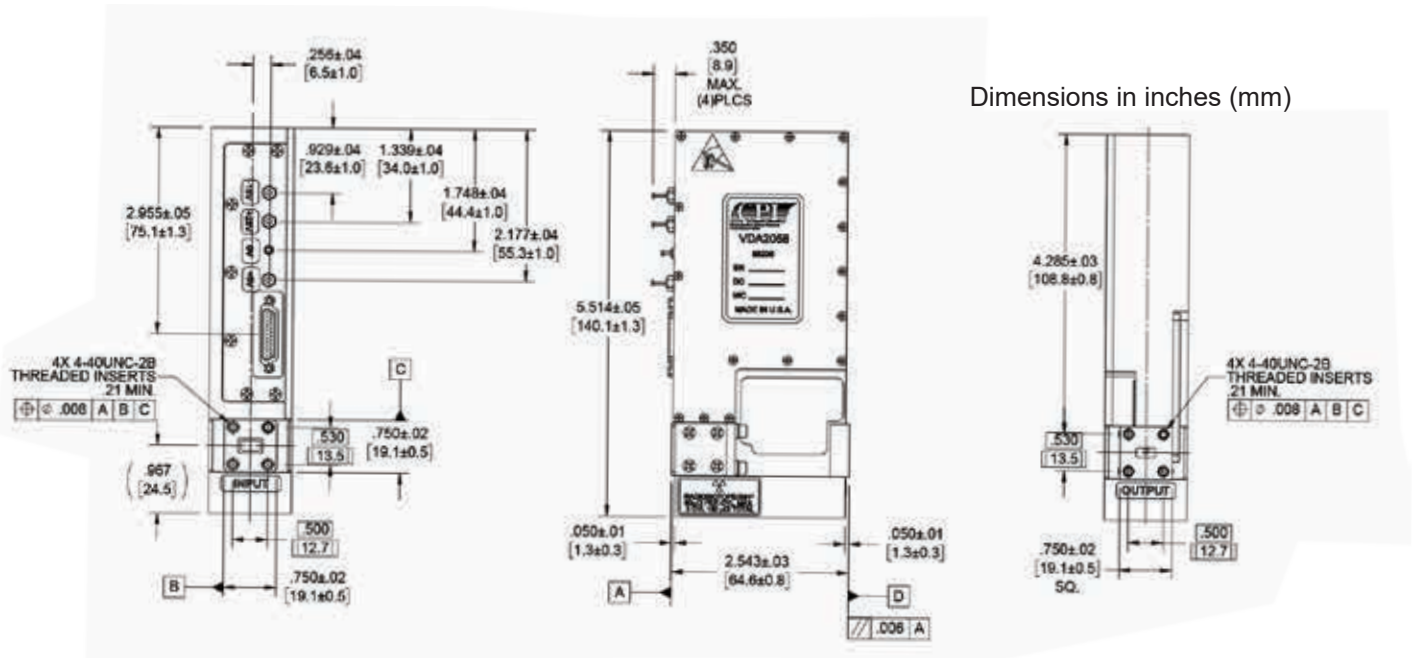
CPI Ka-Band 1.5 kW Receiver Protector: VDA2058

Electrical Specifications

Operating frequency	34.5 – 35.5 GHz
Maximum normal operating power	650 W peak
Maximum overload power conditions	1.5 kW peak
Maximum pulsewidth	12 uSec
Maximum duty cycle	10%
Maximum insertion loss	
-20 to +25 deg C	3.2 dB
+25 to +85 deg C	3.9 dB
Maximum VSWR	1.5:1
Maximum spike leakage power	200 mW
Maximum flat leakage power	50 mW
Maximum recovery time (to 3 dB under normal operating conditions)	1.0 μSec
Variable attenuator	0 – 45 dB Digital control 0.5 dB per bit
Bias supplies	+28 V @ 40 mA max +5 V @ 500 mA max -15 V @ 100 mA max

Mechanical and Environmental Specifications

RF input	WR28
RF output	WR28
Power & control connector	ITT Cannon MDM25PCDRS
Dimensions	See outline drawing
Operating temperature	-20° to +85° C
Storage temperature	-40° to +90° C
Maximum humidity	95%
Shock	MIL-STD-202 Method 13 Test condition J
Vibration	MIL-STD-167-1, Sine vibration, 3 axes
Maximum operating altitude	10,000 feet
EMI	Per MIL-STD-461



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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.

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