

Communications & Power Industries Limiter



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

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

FEATURES:

- Broad bandwidth
- Wide pulse width
- High duty cycle

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 radar

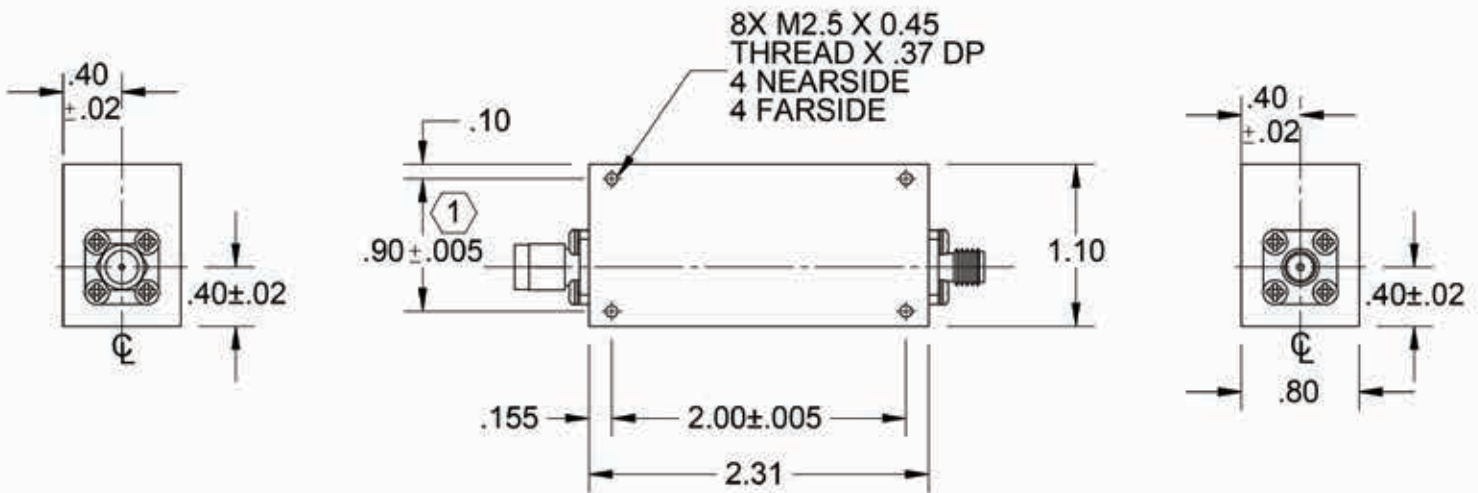
CPI L-Band 4 kW Passive Limiter: VLL2021

Electrical Specifications

Operating frequency	1.2 – 1.4 GHz
Maximum normal operating power conditions	Power: 10 W peak Pulse: 1 millisecond. Duty cycle: 36%
Maximum overload power conditions	Power: 4 kW peak Pulse: 40 μ Sec Duty cycle: 1%
Minimum input RF risetime	100 μ Sec
Maximum insertion loss	
-40 to +55 C	0.4 dB
+50 to +70 C	0.55 dB
Maximum input return loss	
-40 to +55 C	19.08 dB
+50 to +70 C	15.6 dB
Maximum spike leakage power (active)	23 dBm
Maximum flat leakage power	20 dBm
Maximum recovery time (to 0.1 dB under normal operating conditions)	15 μ Sec

Mechanical and Environmental Specifications

RF input	SMA Male
RF output	SMA Female
Dimensions	See outline drawing
Operating temperature	-40° to +70° C
Storage temperature	-40° to +85° C
Maximum humidity	95%
Shock	50 g, 11 mSec pulse, ½ sine wave, 1 axis, 3 pulses
Vibration	MIL-STD-810F, Method 514.5, Category 24 3 axes, 1 hr per axis
Maximum operating altitude	10,000 feet



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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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