

Communications & Power Industries Limiter



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

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

FEATURES:

- Active or passive operation
- High duty cycle
- All solid state

BENEFITS:

- World's largest manufacturer of receiver protectors
- State of the art facility with high level of 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

CPI Ka-Band 400 W Switch Limiter: VDA1523

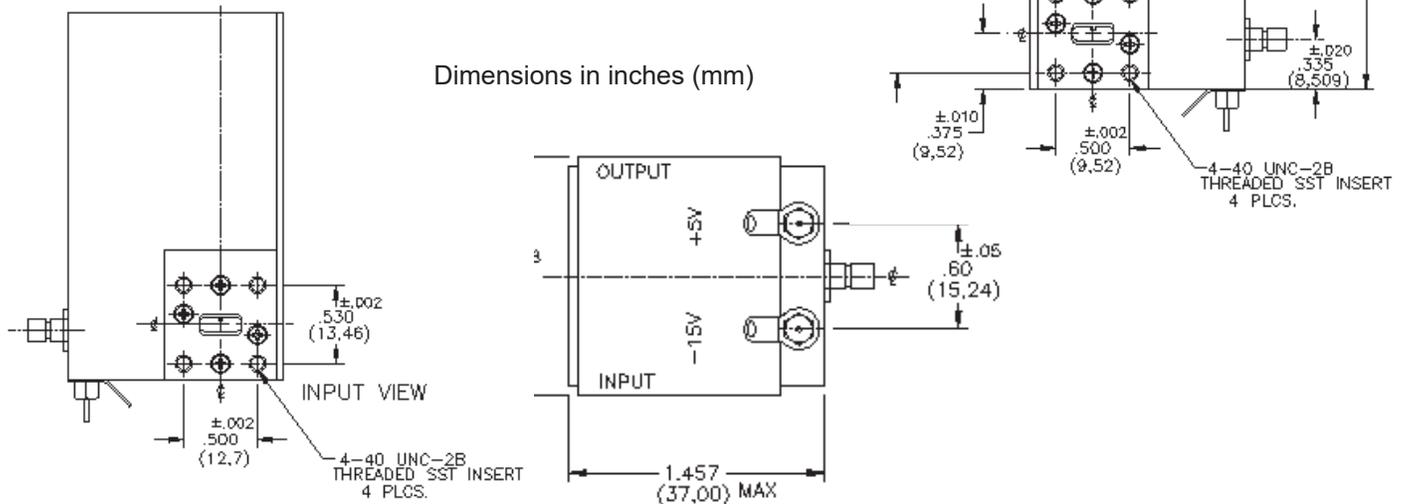
Electrical Specifications

Operating frequency	34.5 – 35.5 GHz
Maximum power (active)*	150 W peak
Maximum power (passive)*	400 W peak
Maximum pulse width	16 μ Sec
Maximum duty cycle	20%
Maximum insertion loss	1.6 dB
Maximum VSWR	1.4:1
Maximum spike leakage power	500 mW
Maximum flat leakage power	75 mW
Maximum recovery time (-3dB)	600 nSec
Maximum switched attenuation	36 dB
Maximum switching speed:	
Loss to isolation (10-90%)	150 nSec
Isolation to loss (10-90%)	600 nSec
Bias supplies	+5 V @ 260 mA max -15 V @ 20 mA max

Note: See product specification for detailed operating conditions

Mechanical and Environmental Specifications

RF input	WR28
RF output	WR28
Power & control connector	ITT Canon 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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