

CPI Electron Device Business - Limiter



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

Contact us at ElectronDevices@cpi-edb.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:

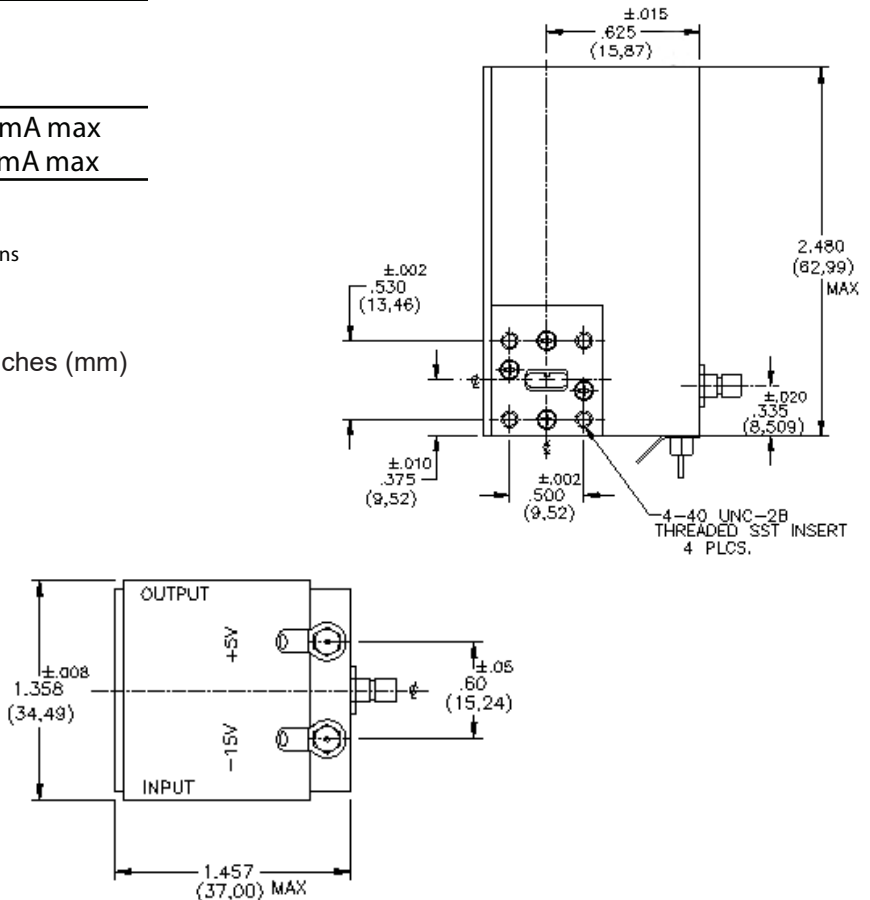
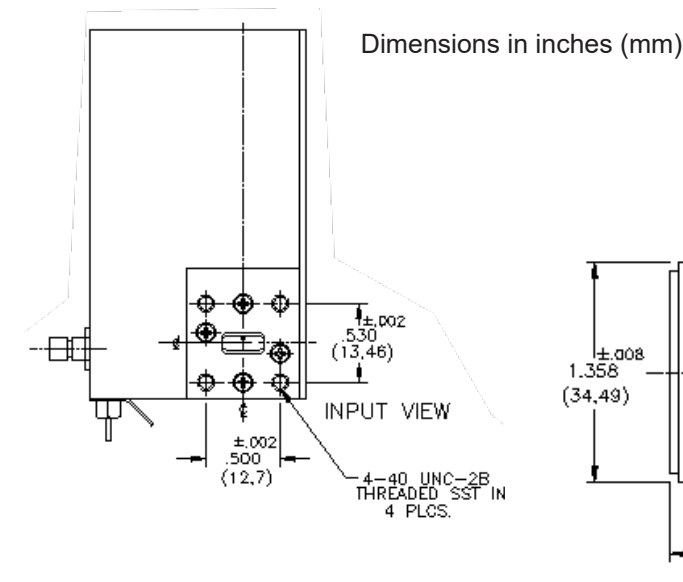
- Missile seekers
- Airborne radars
- Unmanned Aerial Vehicles (UAV)
- Ground based systems
- Naval radars
- Air traffic control radars

CPI EDB Ka-Band 150 W Switch Limiter: VDA1523

Electrical Specifications

Operating frequency	34.5 – 35.5 GHz
Maximum power (active)*	150 W peak
Maximum power (passive)*	80 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: *TTL0 = Active state (Attenuation/Isolation State)
TTL1 = Passive state (Low loss state)
See product specification for detailed operating conditions



Mechanical and Environmental Specifications

RF input	WR28
RF output	WR28
Power connection	Solder pins
Control connector	SMB Jack
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 EDB technical description if one has been published, or contact CPI EDB. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI EDB before using this information for system design.

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