

## EVEREST<sup>nano</sup>™ 2μm Pulsed Fiber Laser AP-1950

### Applications:

- Laser cutting/marking/ablating thin films and plastics
- Other plastic, organic, and metal materials processing
- Laser surgery
- LIDAR
- Frequency Conversion

### Features:

- Laser emission wavelength 2 μm
- Nanosecond pulses
- High peak power and pulse energy
- Near diffraction limited beam quality
- Rugged OEM package and compact size



### Optical Characteristics:

Parameter	Specification
Operation mode	Pulsed
Operating wavelength	1.95 μm
Average power	5 W
Pulse energy	>50 μJ
Pulse repetition rate	100 kHz
Pulse width	5 ns
Polarization	Random
Beam quality, M <sup>2</sup>	< 1.3
Output power stability	Within ±5%
Output delivery	Collimated output beam

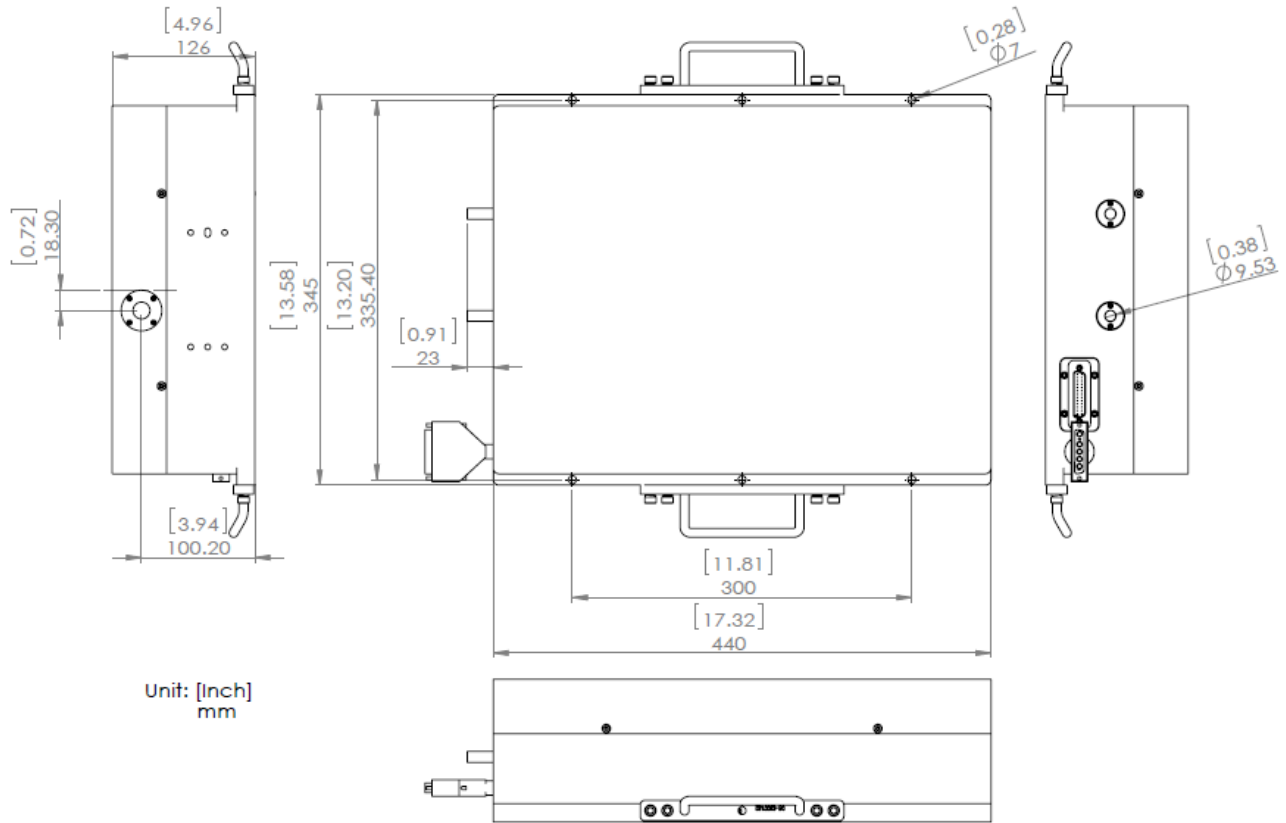
(For custom requirements, please contact AdValue Photonics.)

*Specifications subject to change without notice*

## General Characteristics:

Parameter	Specification
Operating temperature	10 to +30 °C
Storage temperature	+5 to +70 °C
Cooling	Water cooled (portable recirculating chiller available as an option)
Power requirement	AC 100~240 V (50/60Hz) (operating with AdValue Photonics Control Unit)
Warm-up time	10 minutes
Package dimensions	345(W) x 440(D) x 126(H) mm

## Mechanical Outline:



## Ordering Information:

Part Number: AP - 1950 - 05 - 050 - 5N

Standard Wavelength:  
1950 = 1.95  $\mu$ m

Output Power:  
05 = 5 W

Pulse Energy:  
050 = 50  $\mu$ J

Pulse Width:  
5N = 5 ns

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