

EVEREST^{nano}™ 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	1.90-2.02 μm
Average power	Up to 30 W
Pulse energy	Up to 1 mJ
Pulse repetition rate	5 kHz to 10 MHz
Pulse width	5-500 ns
Polarization	PM or Random
Beam quality, M ²	< 1.3
Output power stability	Within ±5%
Output delivery	Collimated output beam

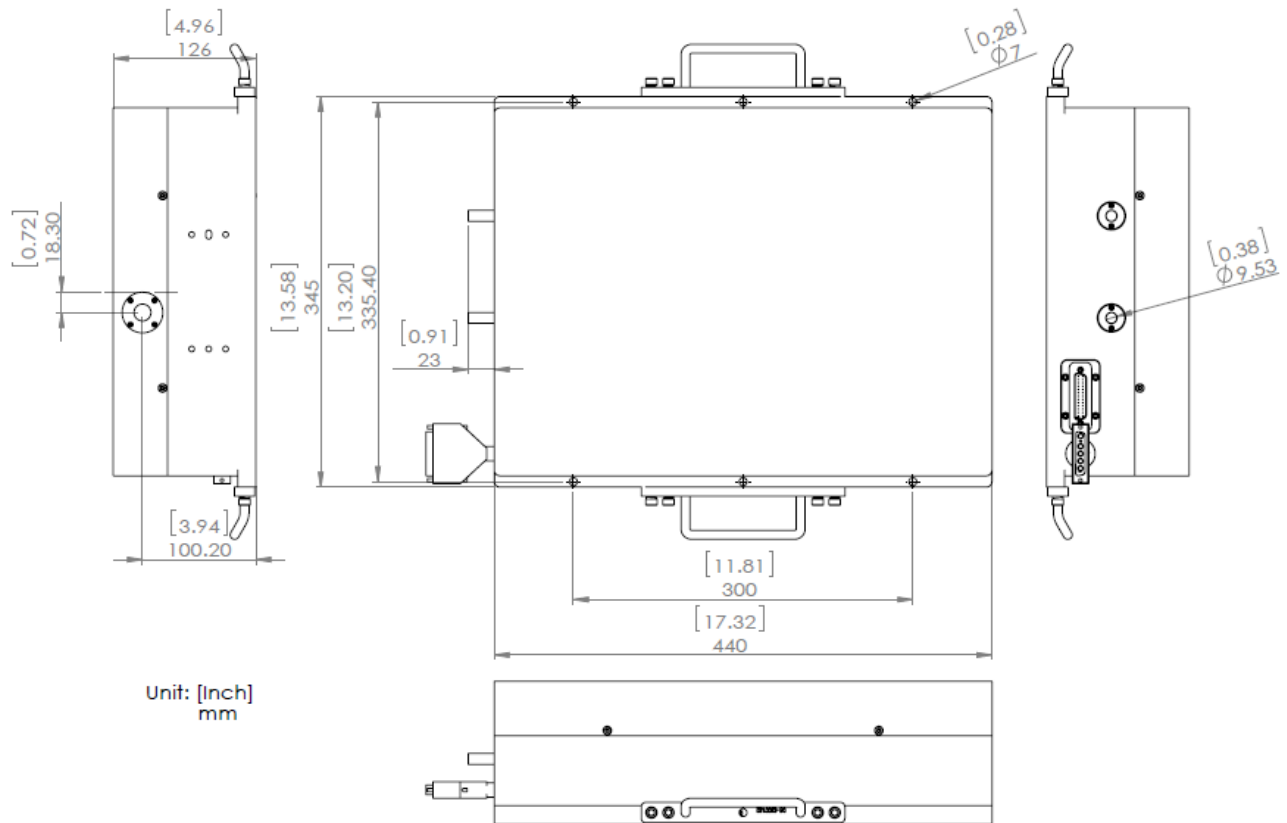
(For custom requirements, please contact AdValue Photonics.)

Specifications subject to change without notice

General Characteristics:

Parameter	Specification
Operating temperature	10 to +30 °C
Storage temperature	-10 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 - 20 - 100 - 010

Standard Wavelength:
1950 = 1.95 μ m

Output Power:
20 = 20 W

Pulse Energy:
100 = 100 μ J

Pulse Width:
010 = 10 ns

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