

# EVEREST<sup>pico</sup>™ 1μm Picosecond Fiber Laser

## AP-1030P

### Applications:

- Laser cutting, drilling and scribing (glass, sapphire, silicon, silicon carbide, ceramics, nitinol stents, CFRP, PCD and CVD diamond)
- Laser thin film patterning (TCO, metal, thin film solar cells)
- 2.5D surface shaping (metals, ceramics, plastics)
- Laser marking (glass, sapphire, silicon carbide, silicon, metals, plastics)

### Features:

- Picosecond pulses
- High pulse energy and peak power
- High repetition rate capability
- Near diffraction limited beam quality
- Rugged OEM package and compact size



### Optical Characteristics:

Parameter	Specification
Operation mode	Pulsed
Operating wavelength	1030 nm
Average power	15 W, 30 W, 60 W, 100 W
Pulse energy	30 μJ, 50 μJ
Pulse width	50 ps
Beam quality, M <sup>2</sup>	< 1.3
Output power stability	Within ±5%
Output delivery	Collimated output beam

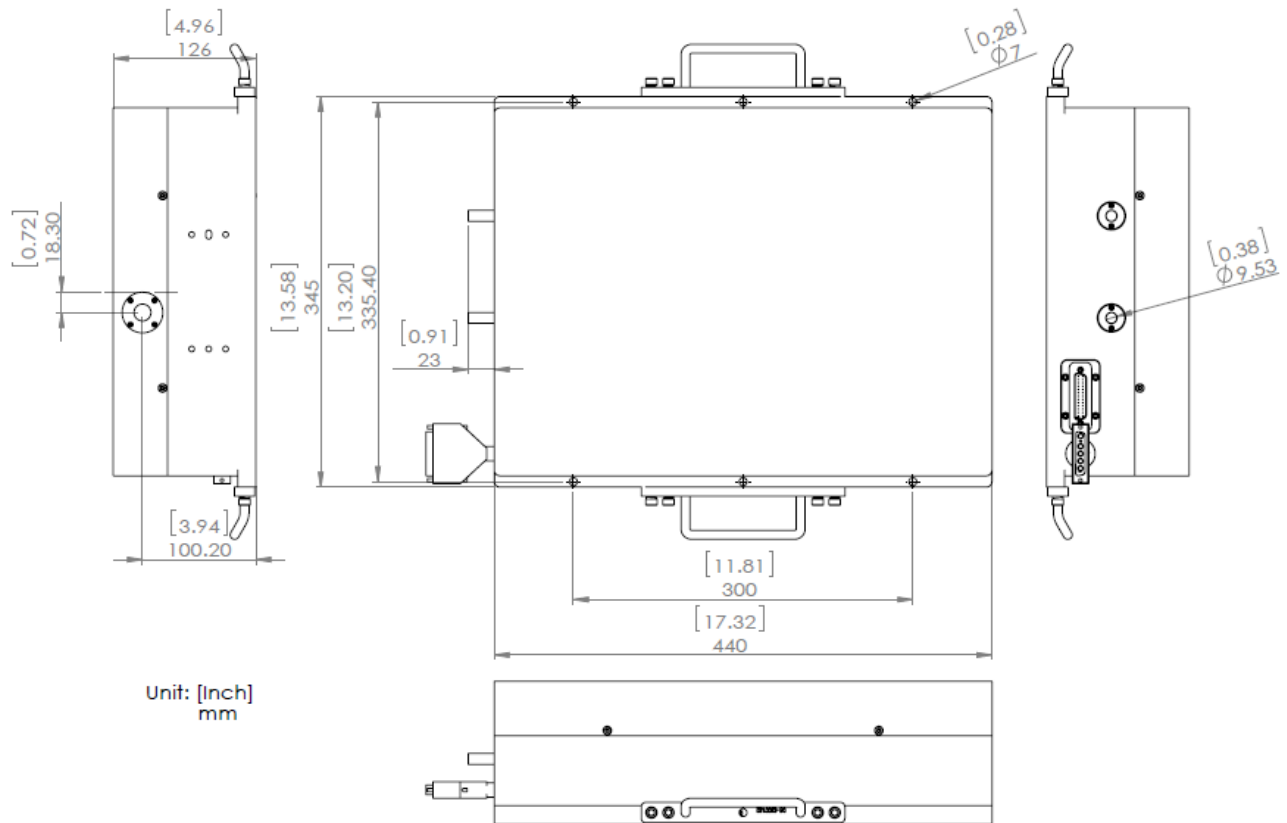
(For custom requirements, please contact AdValue Photonics)

*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 - 1030P - xx - xxx

Standard Wavelength:  
1030 = 1030 nm

Output Power:  
15 = 15 W  
xx = xx W

Pulse Energy:  
030 = 30 μJ  
xxx = xxx μJ

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