AdValue Photonics
Innovative & Reliable

# EVEREST*pico*™ 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, $M^2$ | < 1.3 |
| Output power stability | Within ±5% |
| Output delivery | Collimated output beam |

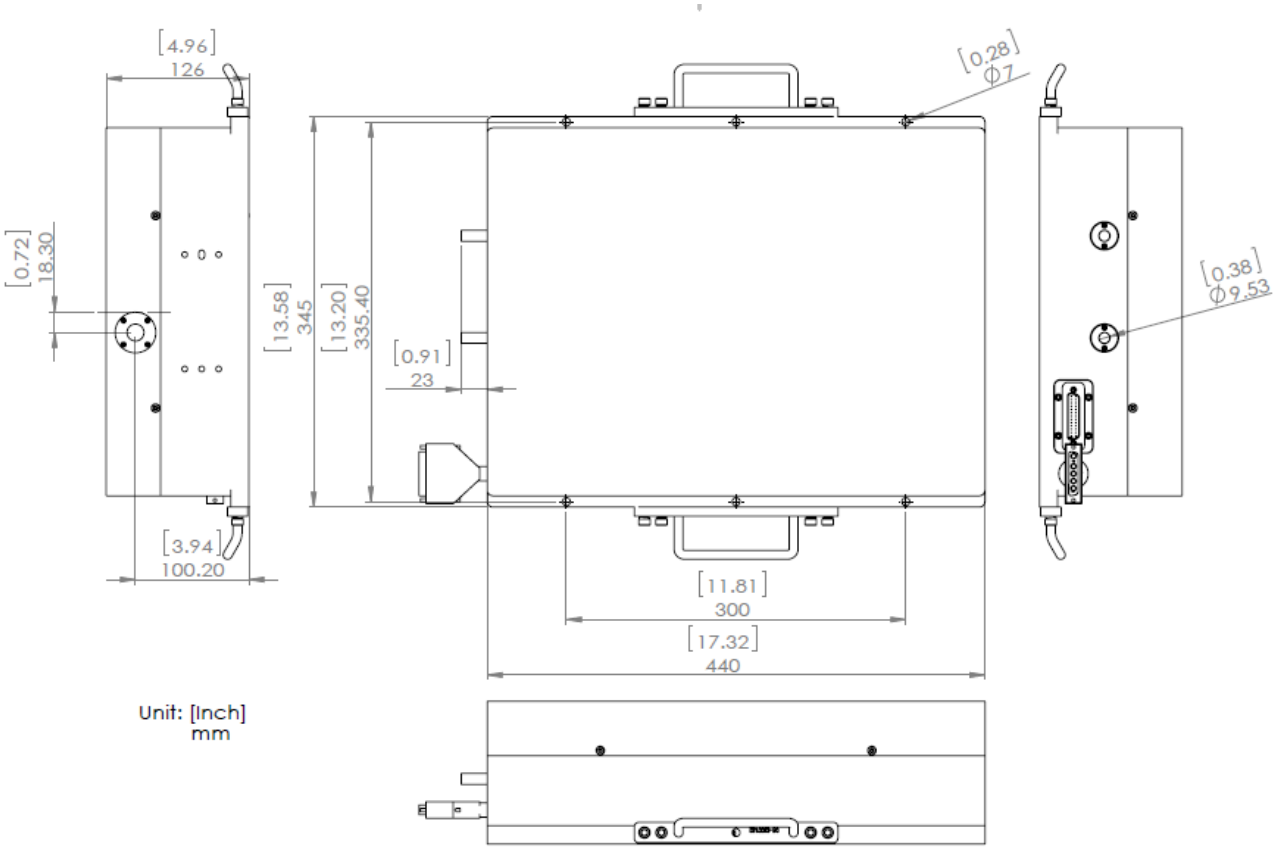
(For custom requirements, please contact AdValue Photonics)

*Specifications subject to change without notice*

## General Characteristics:

| Parameter | *Specification* |
|---|---|
| Operating temperature | 10 to +30 ˚C |
| Storage temperature | +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: | Output Power: | Pulse Energy: |
|---|---|---|
| 1030 = 1030 nm | 15 = 15 W | 030 = 30 µJ |
| | xx = xx W | xxx = xxx µJ |

*Specifications subject to change without notice*