

EVEREST*pico*[™] **Green Picosecond Laser**

AP-515P

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:

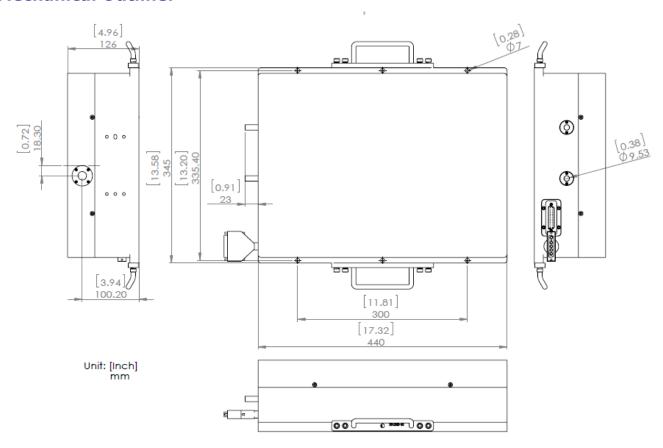
Parameter	Specification		
Operation mode	Pulsed		
Operating wavelength	515 nm		
Average power	10 W, 15 W, 20 W, 30 W		
Pulse width	50 ps		
Beam quality, M ²	< 1.3		
Output power stability	Within ±5%		
Output delivery	Collimated output beam		

(For custom requirements, please contact AdValue Photonics)

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	mensions 345(W) x 440(D) x 126(H) mm	

Mechanical Outline:



Ordering Information:

Part Number:	AP	- 515P	- xx	- xxx
		Standard Wavelen 515 = 5150 nm		Pulse Energy: 010 = 10 μJ xxx = xx μJ