

EVEREST[™] nano 1.55μm Pulsed Laser

AP-1550

Applications:

- Material Processing
- LIDAR

Features:

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

Optical Characteristics:

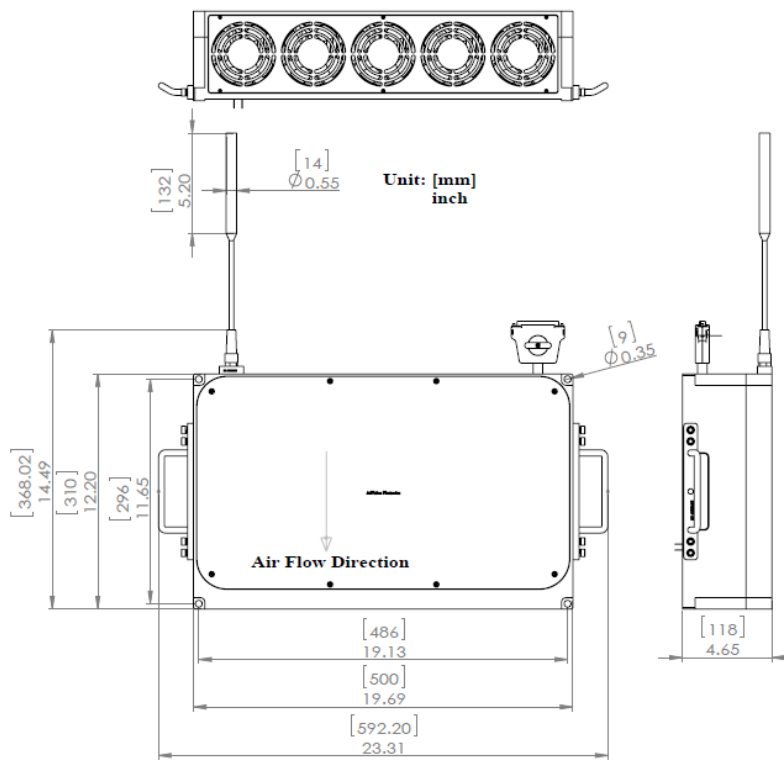
Parameter	Specification			
Operation mode	Pulsed			
Operating wavelength	1.55 μm			
Average power	0.5 W	1 W	2 W	5 W
Pulse repetition rate (kHz)	10 kHz	20 kHz	40 kHz	100 kHz
Pulse width	5 ns			
Pulse energy	50 μJ			
Polarization	Random			
Beam quality, M ²	< 1.3			
Output power stability	Within ±5%			
Output delivery	Fiber pigtailed collimator output			

(For custom requirements, please contact AdValue Photonics)

General Characteristics:

Parameter	Specification
Operating temperature	10 to +30 °C
Storage temperature	+5 to +70 °C
Cooling	Air cooled
Power requirement	AC 100~240 V (50/60Hz) (operating with AdValue Photonics Power Supply Unit)
Warm-up time	10 minutes
Package dimensions	592(W) x 310(D) x 118(H) mm

Mechanical Outline:



Ordering Information:

Part Number: AP - 1550 - xx - xxx

Standard Wavelength:
1550 = 1.55 μm

Output Power:
m500 = 0.5 W
01 = 1 W
xx = xx W

Pulse Energy:
050 = 50 μJ

Specifications subject to change without notice