

# FOTIA

## Industrial Nanosecond Lasers



### Feature & Benefits :

- Easy to integrate laser head and controller
- Lowest Cost of Ownership in the industry
- Power up to 10W
- Excellent beam quality of  $M^2 \leq 1.2$
- Simple and decent software interface
- High reliability for 7/24 applications

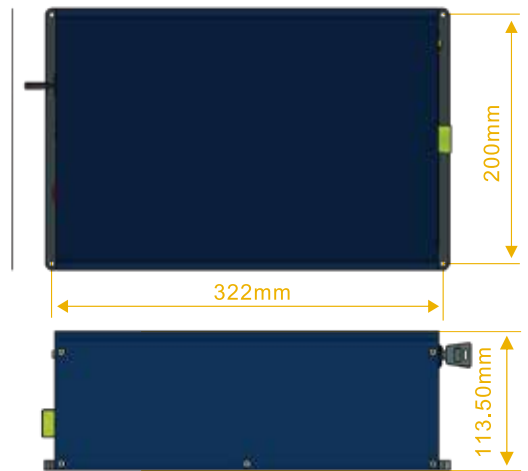
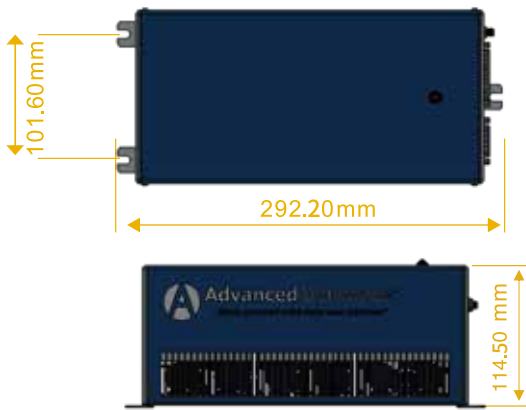
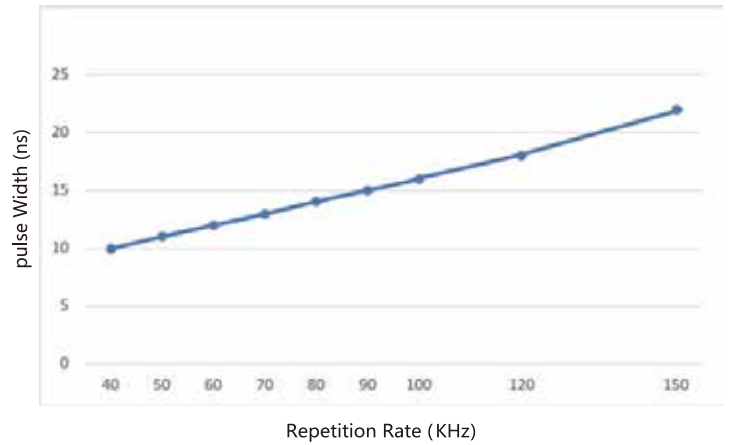
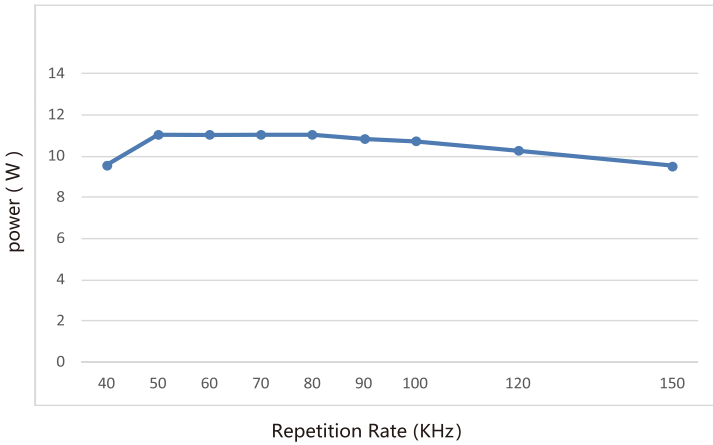
### Applications :

- Surface marking
- Flying marking
- Internal marking of glass
- Semiconductor/PV/Wafer Scribing

FOTIA 532		
Specification	532-5-50	532-10-50
Wavelength(nm)	532	
Average Power (Watts)	>5W@50KHz	>10W@50KHz
Pulse Energy(μJ)	>100	>200
Specified Repetition Rate(kHz)	50	
Repetition rate(kHz)	30~150	
Pulse Width(ns)	<15	
Beam Quality( $M^2$ )	<1.2	
Beam Roundness(%)	>95	
Beam Diameter(mm)	~0.5	
Beam Divergence(mRad)	<1.5	
Point Stability(μrad/°C)	<20	
Polarization Ratio	1:100 Linear,Vertical	
Pulse-to-Pulse Stability(%RMS)	<3	
Average Power Stability(% over 12 hour)	<3	
Cold Start Warm-up(mins.)	<40	
Stand by Warm-up(mins.)	<10	
Operation Temperature Range(°C)	15 to 35	
Operation Humidity Range(%)	20 to 80,non-condensing	
Storage Temperature Range(°C)	-20 to 50	
Storage Humidity Range(%)	20 to 80,non-condensing	
Input supply (VDC/Amps)	24/350	
Communication	RS232	
Cooling	Air	
Laser Head(kg)	5.24	
Controller(kg)	5.4	

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Typical Performance FOTIA 532-5-50/532-10-50  
Power and Energy as a Function of Repetition Rate



**COMPLIANCE:** CE

\*Advanced Optowave Corporation follows a policy of continuous product improvement.Specifications are subject to change without notice. Advanced Optowave Corporation offers a limited warranty for all Nanosecond UV laser systems.For full details on warranty coverage, or for further product information,please contact us.

