

# WEDGE HF 532nm

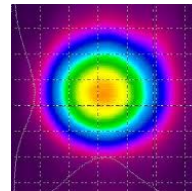
Spec. #: WHF18802

## Diode Pumped Solid State Laser



### MAIN FEATURES

- \_ 532 nm
- \_ 700 ps
- \_ up to 100 uJ
- \_ Compact Design
- \_ Air Cooled



### Technical Specifications

Output Wavelength	532	nm
Q-Switch Repetition Rate	10 to 100 <i>(optional: Single Shot to 10 kHz)</i>	kHz
Average Power @ 30 kHz	> 1.5 W	W
Pulse Width	0.7 to 2	ns
Low Jitter Option (for direct Q-Switch driving)	< 300	ps
Pulse to pulse Energy stability (RMS)	< 5% up to 20 kHz	
Polarization	Linear 100:1	
M <sup>2</sup>	< 1.6	
Beam diameter (1/e <sup>2</sup> )	< 2.5 <i>(collimated)</i>	mm
Pulse frequency control input	TTL (0 to 5V)	
Energy level control input	0 to 10 V (Analog)	
Cooling	Air Cooling, integrated thermostatic fan	
Power supply input	24 V DC – 6 A	
Control Connector	DB 25 pin	
Optional AC/DC power supply	100 – 230 VAC	
Size of the unit	18 x 9 x 7	cm <sup>3</sup>
Weight	< 2	kg



All information included in this document are subject to change without notice.

Updated data sheets can be provided on request.

For further details, please contact your local **Bright Solutions** sales representative or visit our website at [www.brightsolutions.it](http://www.brightsolutions.it)

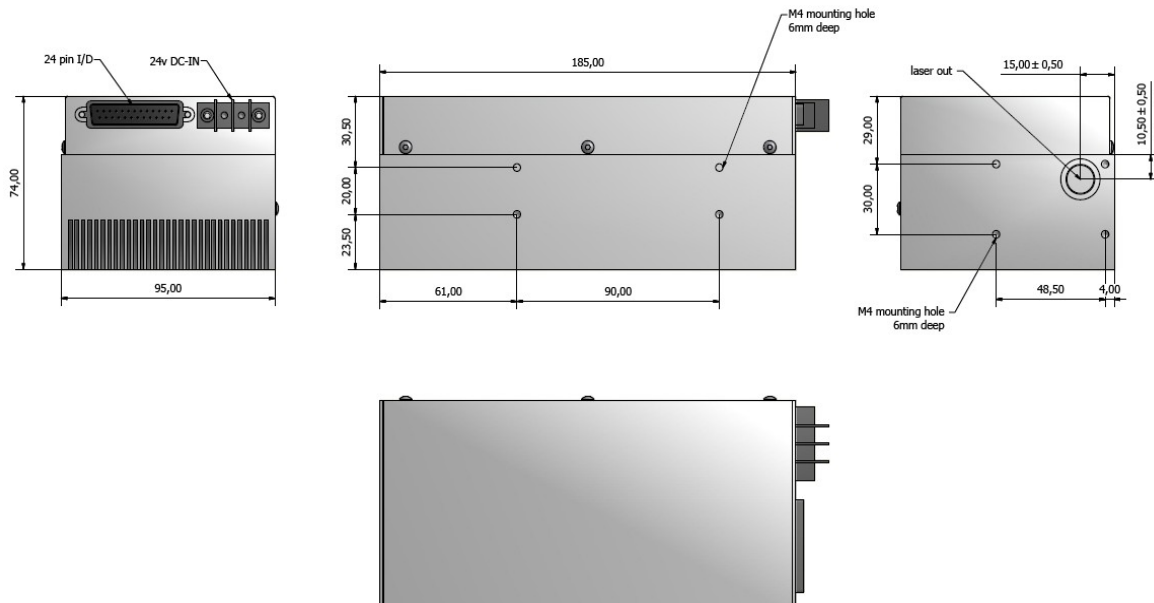
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## Mechanical Drawings



*All dimensions are in mm*

Options Available:	Applications:
<ul style="list-style-type: none"> <li>- Beam Expanding and Collimating optics</li> <li>- Red aiming beam</li> <li>- Circular Polarization</li> <li>- Water and contact cooling</li> </ul>	<ul style="list-style-type: none"> <li>- Ablation / Micromachining of thin films</li> <li>- LIDAR - LADAR - LIBS</li> <li>- Specialty Scribing / Material processing</li> </ul>



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