

WEDGE HF 532nm Plus

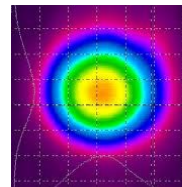
Spec. #: WHFP19A01

Diode Pumped Solid State Laser



MAIN FEATURES

- _ 532 nm
- _ 500 ps
- _ up to 120 uJ
- _ Compact Design
- _ Air Cooled



Technical Specifications

Output Wavelength	532	nm
Q-Switch Repetition Rate	20 to 100 <i>(optional: 100 to 200 kHz)</i>	kHz
Average Power @ 100 kHz	> 4	W
Pulse Width	0.5 to 2	ns
Low Jitter Option (for direct Q-Switch driving)	< 300	ps
Pulse to pulse Energy stability (RMS)	< 1.3% at 100 kHz < 2.5% at 20 kHz	
Polarization	Linear 100:1	
M ²	< 1.4	
Beam diameter (1/e ²)	< 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 ³
Weight	< 3	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

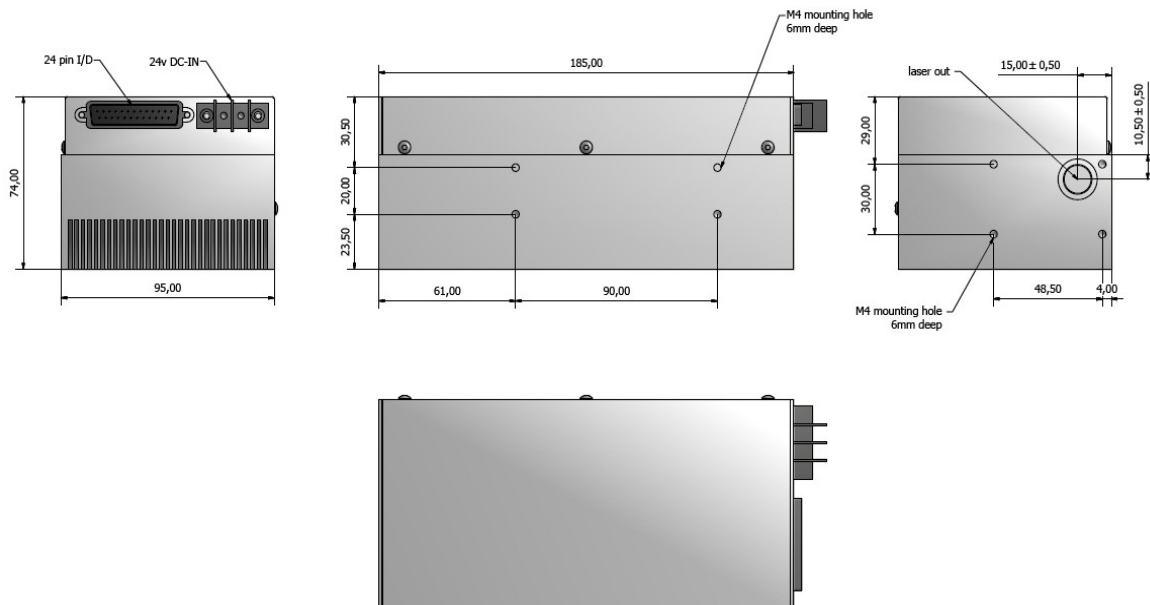
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Mechanical Drawings



All dimensions are in mm

Options Available:

- Beam Expanding and Collimating optics
- Red aiming beam
- Circular Polarization
- Water and contact cooling

Applications:

- Ablation / Micromachining of thin films
- LIDAR – LADAR - LIBS
- Specialty Scribing / Material processing



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