

# WEDGE XF 1064nm

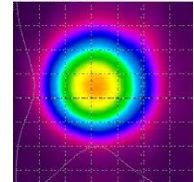
Spec. #: WXF18701

## Diode Pumped Solid State Laser



### MAIN FEATURES

- \_ 1064 nm
- \_ 400 ps
- \_ > 70 uJ
- \_ Compact Design
- \_ Air Cooled



### Technical Specifications

Output Wavelength	1064	nm
Q-Switch Repetition Rate	10 to 100 <i>(option: single shot to 10 kHz)</i>	kHz
Pulse energy @ 1064nm	Up to 70 @ 10kHz	uJ
Pulse Width	400 to 1500	ps
Low Jitter Option (for direct Q-Switch driving)	< 300	ps
Pulse to pulse Energy stability (RMS)	< 3% up to 20 kHz	
Polarization	Linear 100:1	
M <sup>2</sup>	< 1.3	
Beam diameter (1/e <sup>2</sup> )	< 2.5 <i>(collimated)</i>	mm
Pulse frequency control input	TTL (0 - 5V)	
Energy level control input	0 to 10 V (Analog)	
Cooling	Air Cooling, integrated thermostatic fan	
Power supply input	24 V DC – < 7 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 is 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)

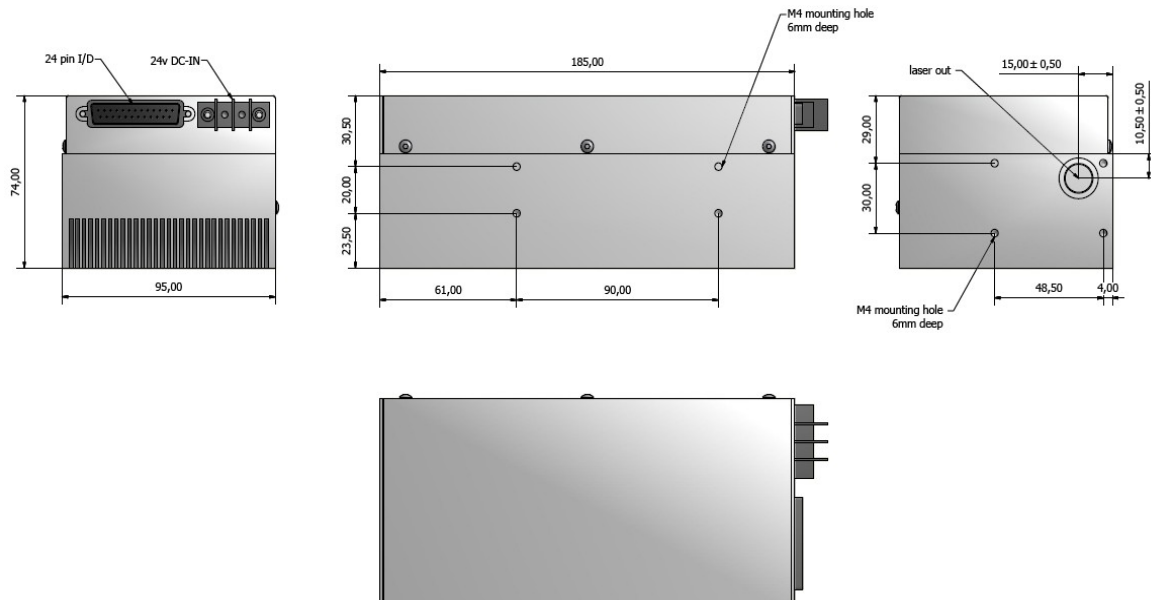
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### Mechanical Drawings



*All dimensions are in mm*

#### Options Available:

- 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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