

# Wedge XB 1572 1kHz

Spec. #: WXB18B05

## High Peak Power Diode Pumped Solid State Laser



### FEATURES

- \_ Up to 0.8 mJ
- \_ Short pulse duration
- \_ Q-Switching : up to 1 kHz
- \_ All Solid State Design
- \_ Air Cooled

Technical Specifications	Typical	
Wavelength	1572	nm
Pulse energy	0.8	mJ
Pulsewidth	< 2.5	ns
Peak Power	Up to 400	kW
Repetition Rate	Up to 1	kHz
Polarization	Linear 100:1	
Beam diameter	< 2	mm
Beam divergence (FA @ 1/e <sup>2</sup> )	< 20	mrad
Electrical Requirements	DC Power Supply 10.5 V ; 15 V (*)	
Cooling	Air Cooled	
Mechanical Dimensions	26 x 25 x 10	cm <sup>3</sup>
Weight	< 14	kg

(\*) Optional: 100-230 AC DC Power Supply

Options Available:	Applications:
<ul style="list-style-type: none"> <li>- Beam Expanding and Collimating optics</li> <li>- Circular Polarization</li> <li>- Water Cooling</li> </ul>	<ul style="list-style-type: none"> <li>- LIDAR</li> <li>- Non-linear spectroscopy - LIBS</li> </ul>



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

Update data sheets can be provided after formal request.

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

**Bright Solutions Srl**  
Via Artigiani, 27  
27010 Cura Carpignano - PV  
Italy  
Ph. +39 0382583094  
e-mail: [sales@brightsolutions.it](mailto:sales@brightsolutions.it)