

## Vento 25W 1064nm MOPA sub-ns laser

**Spec. #: VN21702**



### FEATURES

- \_ 1064 nm
- \_ > 25 W
- \_ down to 500 ps
- \_ up to 200 kHz
- \_ Water Cooled
- \_ All solid state design
- \_ Rugged single unit

Technical Specifications	Typical	
Output Wavelength	1064	nm
Q-Switch Repetition Rate	50 – 200 (Available ranges 50 - 120 and 80 - 200)	kHz
Average Power	> 25 (*)	W
Pulse Width	500 – 1500 (*)	ps
Beam Diameter (1/e <sup>2</sup> )	0.9 ± 0.2 (collimated)	mm
Beam Quality (M <sup>2</sup> )	< 1.5	
Polarization	Linear 100:1	
Pulse to Pulse Energy Stability (rms)	< 5	%
Power supply input	24 - 28 V DC	
Pulse frequency control input	0 – 5 V (TTL)	
Cooling	Liquid	
Laser unit size	32 x 25 x 15	cm <sup>3</sup>
Weight	< 16	kg
Operating temperature (fluid)	20 +/- 2	°C

(\*): for more details on the expected performances as a function of the repetition rate, please refer to the curves on the next page.

Options Available:	Applications:
<ul style="list-style-type: none"> <li>- Beam Expanding and Collimating optics</li> <li>- Red aiming beam</li> <li>- Air-cooled package</li> <li>- Circular Polarization</li> <li>- Extended operating temperature range</li> <li>- Customized design and manufacturing for airborne applications</li> </ul>	<ul style="list-style-type: none"> <li>- Ablation / Micromachining of thin films</li> <li>- LIDAR - LIBS</li> <li>- Specialty Scribing / Material processing</li> <li>- Glass machining</li> </ul>



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

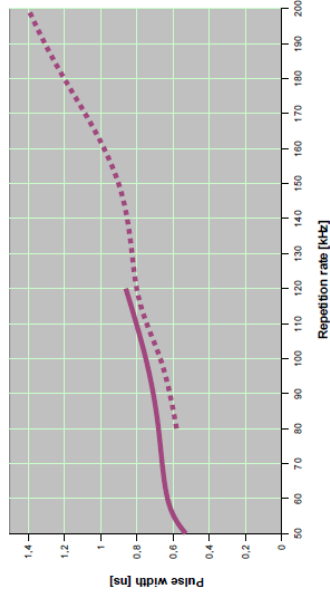
Updated data sheets can be provided on request.

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

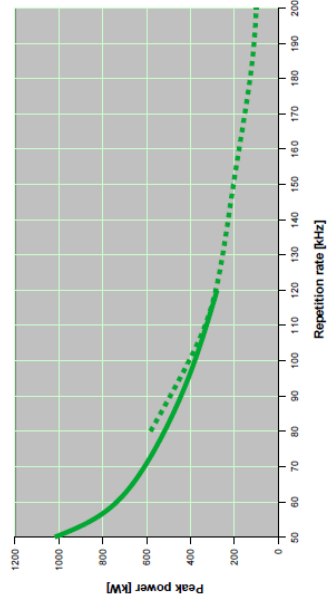
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Vento 25W 1064nm – Performance Curves – Preliminary

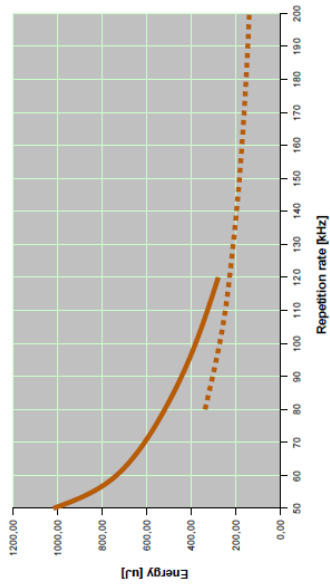
Vento 25W 1064nm: Pulse Width



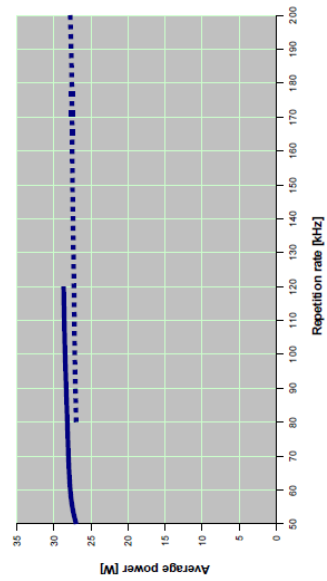
Vento 25W 1064nm: Peak Power



Vento 25W 1064nm: Pulse Energy



Vento 25W 1064nm: Average Power



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