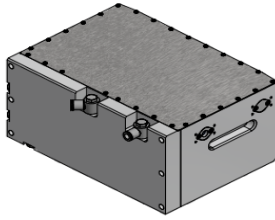


<b>Nps-1064-40-10000</b>	<b>Spec. #: NP21703</b>
--------------------------	-------------------------

## Narrowband Mode-Locked Laser

	<p><b><u>MAIN FEATURES</u></b></p> <ul style="list-style-type: none"> <li>_ 7-ps pulses @ 1064 nm @ 40 MHz</li> <li>_ transform-limited operation</li> <li>_ user friendly turn-key operation</li> <li>_ compact and rugged system</li> <li>_ low power consumption</li> <li>_ water-cooled package</li> </ul>
---	--

Technical Specifications		
Center Wavelength	1064.3 ± 0.1	nm
Pulse duration	< 8	ps
Average output power	> 10	W
Repetition rate	40 ± 1	MHz
Polarization	Linear, > 100:1	
Spectral Width	< 0.25	nm
Time-bandwidth product	< 0.5	
RF side-mode suppression	> 50	dBc
Beam Diameter (1/e <sup>2</sup> )	2 ± 0.4	mm
Beam quality M <sup>2</sup>	< 1.5	
Output coupling	Free-space output window	
Trigger output	TTL, SMA connector	
Power supply	24	V <sub>DC</sub>
Power consumption	< 350	W
Interfaces	RS-232	
Operating temperature range	15 – 35	°C
Size of the unit	310 x 205 x 130	mm <sup>3</sup>
Weight	< 14	kg

Options Available:	Applications:
<ul style="list-style-type: none"> <li>- Other repetition rates available upon request</li> <li>- Air-cooling version</li> </ul>	<ul style="list-style-type: none"> <li>- OPO pumping and nonlinear optics</li> <li>- Frequency resolved spectroscopy (&lt;3 cm<sup>-1</sup>)</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)

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