

**Nps-1064-10**

**Spec. #: NP20101**

## Narrowband Mode-Locked Laser



### MAIN FEATURES

- \_ 7-ps pulses @ 1064.3 nm @ 40 MHz
- \_ user friendly turn-key operation
- \_ alignment-free and compact system
- \_ low power consumption
- \_ fiber-coupled output

### Technical Specifications

Center Wavelength	1064.3 ± 0.1	nm
Pulse duration	< 7	ps
Average output power	> 10	mW
Repetition rate	40 ± 1	MHz
Polarization	Linear, PER > 20 dB	
Spectral Width	< 0.3	nm
Time-bandwidth product	< 0.5	
RF side-mode suppression	> 50	dBc
RMS noise	< 1%	
Beam quality M <sup>2</sup>	< 1.2	
Output coupling	PM980 fiber pigtail (FC/APC connector with wide key)	
Trigger output	TTL, SMA connector	
Power supply	5 VDC	
Power consumption	< 5	W
Interfaces	RS-232	
Operating temperature range	15 – 35 °C	
Size of the unit	150 × 128 × 55	mm <sup>3</sup>
Weight	< 1.5	kg

### Options Available:

- Custom wavelengths
- Custom repetition rates

### Applications:

- Nd-doped amplifier seeding
- Raman spectroscopy (<3 cm<sup>-1</sup>)



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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