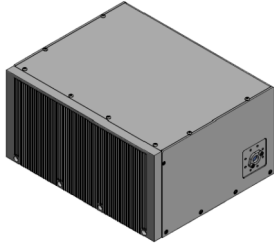


Custom Nps-1064-k2

Spec. #: NP20102

## Narrowband Mode-Locked Laser



### MAIN FEATURES

- \_ 8-ps pulses @ 1064 nm @ 40 MHz
- \_ Transform-limited operation
- \_ user friendly turn-key operation
- \_ compact and rugged system
- \_ low power consumption

### Technical Specifications

Center Wavelength	1064.3 ± 0.1	nm
Pulse duration	< 8	ps
Average output power	2	W
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>	< 1.3	
Output coupling	Free-space output window	
Trigger output	TTL, SMA connector	
Power supply	24 VDC	
Power consumption	< 100	W
Interfaces	RS-232	
Operating temperature range	15 – 35 °C	
Size of the unit	255 × 208 × 131	mm <sup>3</sup>
Weight	< 10	kg

### Options Available:

- Up to 10 W @ 1064 nm
- SHG up to 6 W @ 532 nm

### Applications:

- OPO pumping and nonlinear optics
- Frequency resolved 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)

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