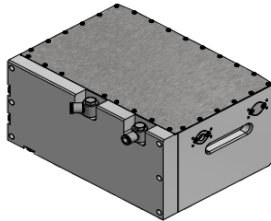


Nps-532-40-5000

Spec. #: NP21705

Narrowband Mode-Locked Laser



MAIN FEATURES

- _ 7-ps pulses @ 1064 nm @ 40 MHz
- _ transform-limited operation
- _ user friendly turn-key operation
- _ compact and rugged system
- _ low power consumption
- _ water-cooled package

Technical Specifications

| | | |
|-----------------------------------|--------------------------|-----------------|
| Center Wavelength | 532.15 ± 0.1 | nm |
| Pulse duration | < 8 | ps |
| Average output power | > 5 | W |
| Repetition rate | 40 ± 1 | MHz |
| Polarization | Linear, > 100:1 | |
| Spectral Width | < 0.1 | nm |
| Time-bandwidth product | < 0.6 | |
| RF side-mode suppression | > 45 | dBc |
| Beam diameter (1/e ²) | 1 ± 0.2 | mm |
| Beam quality M ² | < 1.2 | |
| Output coupling | Free-space output window | |
| Trigger output | TTL, SMA connector | |
| Power supply | 24 | V _{DC} |
| Power consumption | < 350 | W |
| Interfaces | RS-232 | |
| Operating temperature range | 15 – 35 | °C |
| Size of the unit | 310 x 205 x 130 | mm ³ |
| Weight | < 14 | kg |

Options Available:

- Other repetition rates available upon request
- Air-cooled version

Applications:

- OPO pumping and nonlinear optics
- Frequency resolved spectroscopy (<3 cm⁻¹)



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

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