

Nps

Narrowband ps lasers



Applications

Fluorescence spectroscopy

Multimodal imaging

Raman spectroscopy

Features

1064.3 ± 0.1 nm

7 ps

spectral width < 0.1 nm

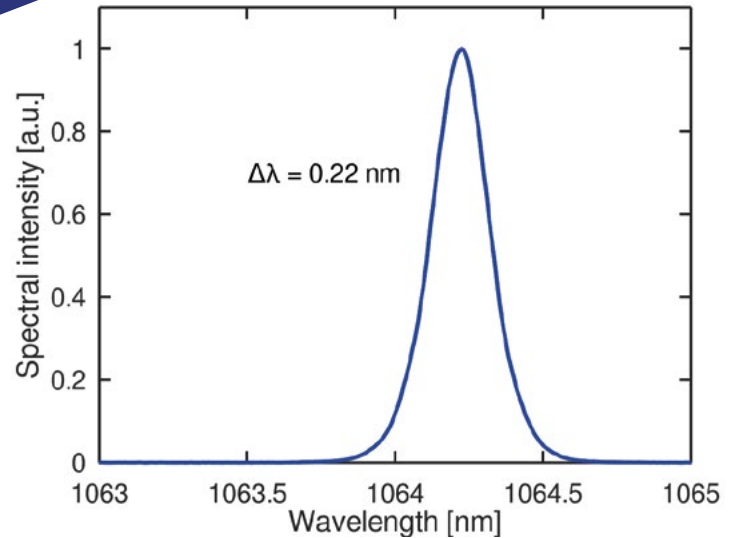
up to 80 MHz

air-cooled and liquid-cooled versions

Nps

Narrowband ps lasers

Bright Solutions' NPS laser platform is a new ultrafast picosecond laser series, especially tailored for spectroscopic applications, by combining compactness and ruggedness of fiber laser technology with spectral purity of the DPSS design. According to the number and the features of the proprietary amplification stages, it is possible to achieve several power levels at 1064.3nm and its harmonics.



	Nps
Pulsewidth ranges	7 ps
Output power	up to 10 W
Repetition rate	up to 80 MHz
Polarization	Linear 100:1
Available wavelengths	1064, 532, 355, 266 nm 750 - 1800nm, tunable
Linewidth	< 100 pm
Time-bandwidth Product	< 0.5
Beam Quality (M^2)	< 1.5
RF Side-Mode Suppression	> 50 dBc
Electrical requirements	24 V DC IN
Operating temperature	15 to 35 °C
Cooling	Liquid (Optional: air)

OPTIONS AVAILABLE:

- Custom amplified models
- Beam expanding and collimating optics
- Circular polarization
- Water cooling
- Remote control cbox and software interface
- AC-DC power supply

