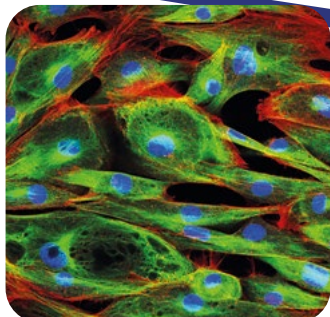


Nps

Tunable narrowband ps



NPS-T-800-1500

Applications

SRS/CARS

Fluorescence spectroscopy

Multimodal imaging

Raman spectroscopy

Live-cell imaging

Nonlinear optics

Features

7 ps

up to 80 MHz

1064 nm

SHG, THG, FHG

Tunable wavelength

Spectral width < 0.3 nm

$M^2 < 1.2$

Compact monolithic case



Scan for more info

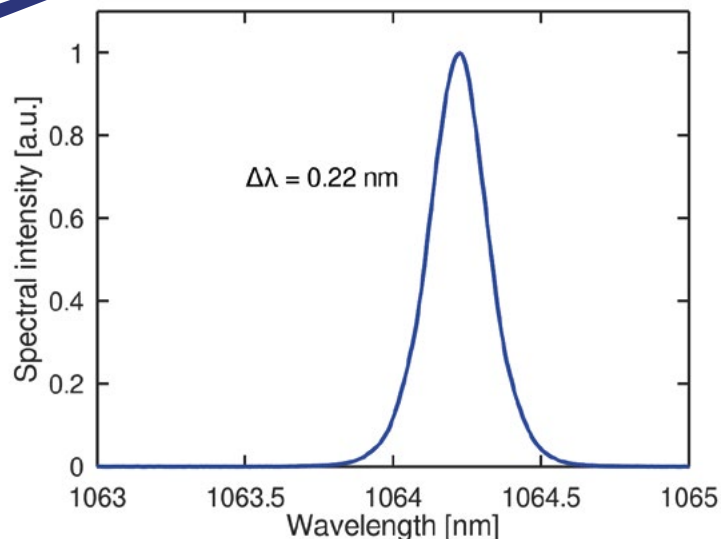
Nps

Tunable narrowband ps

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 nm and its harmonics.

The latest model, NPS-T-800-1500, maintains the pulsewidth and the narrow bandwidth of the Nps family, < 0,3 nm, providing broad wavelength tunability.



	Nps
Pulsewidth ranges	7 ps
Output power	up to 10 W
Repetition rate	up to 80 MHz
Polarization	Linear 100:1
Pump wavelength	1064 nm
Harmonics	532, 355, 266 nm
Tunability	from 700 to 1800 nm
Linewidth	< 300 pm
RF Side-Mode Suppression	> 50 dBc
Electrical requirements	24 V DC IN
Operating temperature	15 to 35 °C
Cooling	Liquid / Air

OPTIONS AVAILABLE:

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

