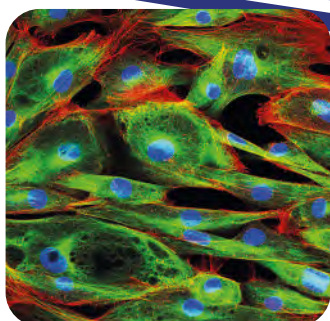


Nps

Narrowband ps lasers

[L*]ProCareLight

Light, Laser and Safety Solutions



Applications

SRS/CARS

Applications

Fluorescence spectroscopy

Raman spectroscopy

Multimodal imaging

Live-cell imaging

Nonlinear optics

OPO pumping

Features

7 ps

up to 80 MHz

1064, 532, 355, 266 nm

Custom tunable solutions (0.7 to 3 μ m)

$M^2 < 1.5$

Single-unit design

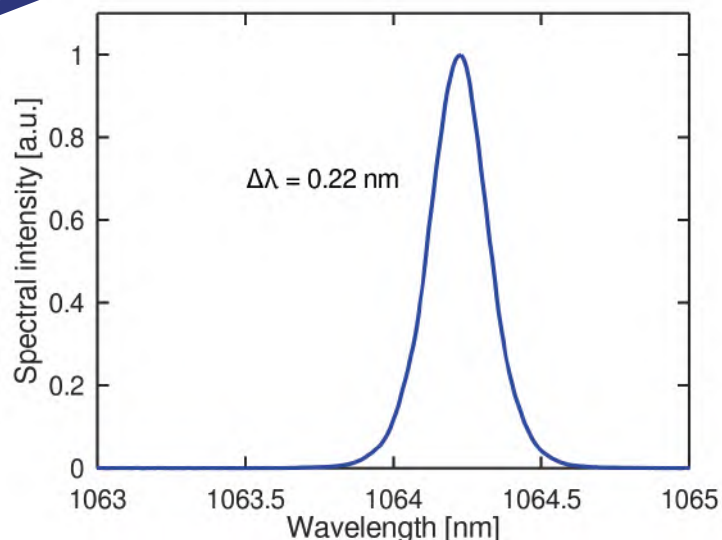


Nps

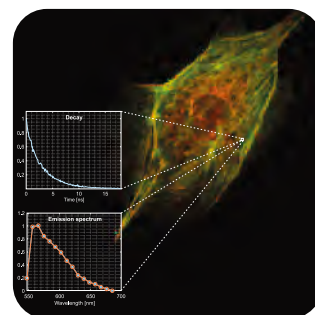
Narrowband ps lasers

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 nm and its harmonics. The table below shows the main parameters of the standard models; custom tunable configuration are also available with output wavelength in the range 0.7 to 3 μm .



	Picosecond models		
	Nps 1064	Nps 532	Nps 355
Pulsewidth	< 8 ps		
Output power	up to 10 W	up to 5 W	up to 1 W
Repetition rate	up to 80 MHz	up to 80 MHz	up to 80 MHz
Output wavelengths	1064.3 nm	532.15 nm	354.7 nm
Linewidth	< 100 pm		
Beam Quality (M^2)	< 1.5	< 1.3	< 1.2
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
- Custom tunable solutions (0.7 to 3 μm)
- Remote control cbox and software interface
- AC-DC power supply

