

# NORTH PHOTONICS

[OEPLS-FS-100]

## Pulsed Laser Sources (Femtoseconds)

### Features:

- All-fiber structure
- Self-starting
- TEM<sub>00</sub> beam profile
- Custom specifications

### Applications:

- Spectroscopy
- Biomedical
- Industrial
- Non-linear optics



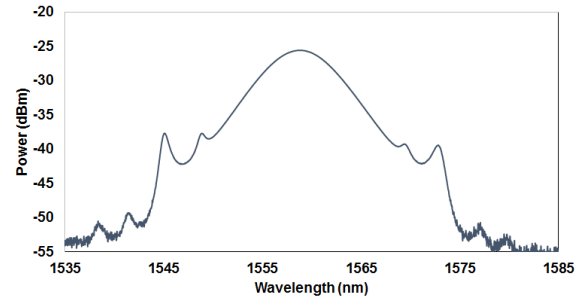
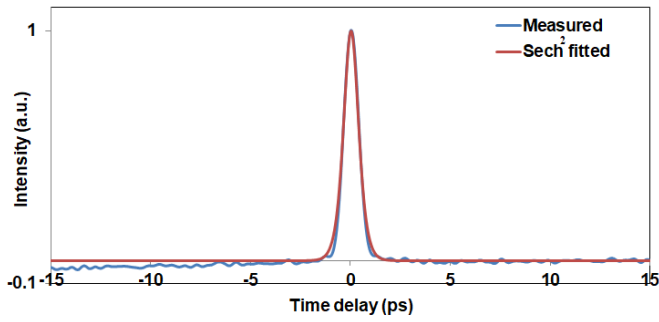
OEPLS-FS-100

### Product description:

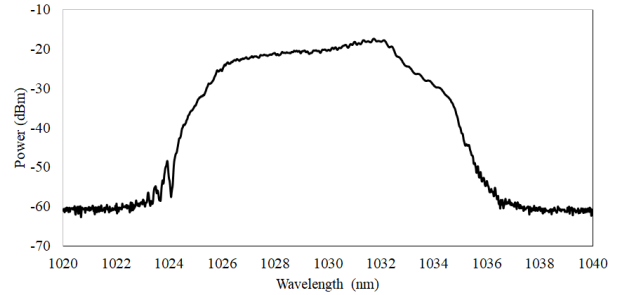
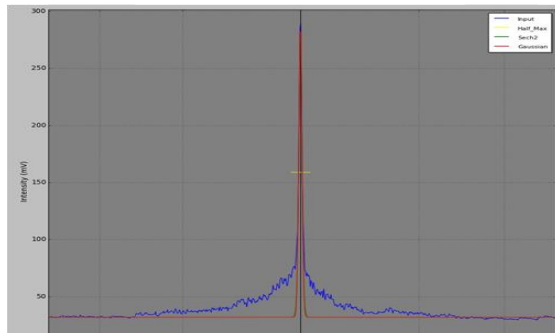
North Photonics' new series of femtosecond laser source provide short pulse duration of about 500 and 550 fs in two different regions of 1 and 1.5 $\mu$ m respectively at full operational repetition rate of about 20 MHz. This new all-fiber femtosecond laser source is compact and lightweight compared to the available convectional ultrashort-pulsed lasers in the market. This turn-key solution is targeting customers looking for pulsed laser with moderate to high output power.

Parameter	Unit	OEPLS-FS-100			
		1030		1550	
Operating Wavelength	nm				
Pulse width	fs	100 ~ 500	100 ~ 500	100 ~ 500	100 ~ 500
Repetition rate	MHz	25	25	20	20
Average power	W	0.02	2	0.03	2
Pulse energy	nJ	~1	~80	~2	~150
Peak power	kW	~1.5	~150	~4	~300
Output port	-	Collimator, LMA fiber	FC, ST, SC or custom	Collimator, LMA fiber	FC, ST, SC or custom
Operating temperature	°C	10-50			
Dimensions	mm	70 x 190 x 310			

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Pulse shape and spectrum of OEPLS-FS-100-1550



Pulse shape and spectrum of OEPLS-FS-100-1030

- All specifications are subject to change without notice.

Ordering number:

OEPLS-FS-100-WL-P-RW-X:	WL	P
	1030	Average
	1550	power (W)
Example:	OEPLS-FS-100-1550-2	