

NORTH PHOTONICS

[OEPLS-PS-100]

Pulsed Laser Sources (Picoseconds)

Features:

- All-fiber structure
- Self-starting
- TEM₀₀ beam profile
- Custom specifications

Applications:

- Spectroscopy
- Biomedical
- Industrial
- Non-linear optics



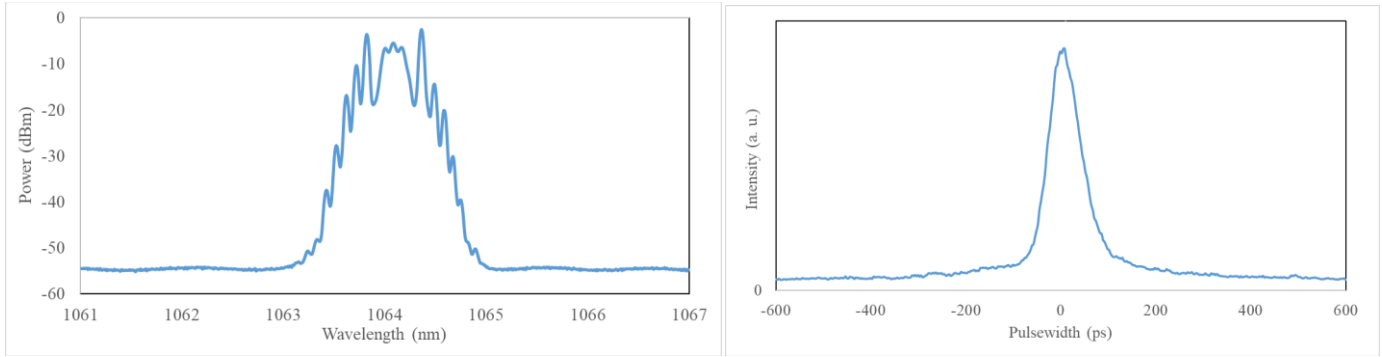
OEPLS-PS-100

Product description:

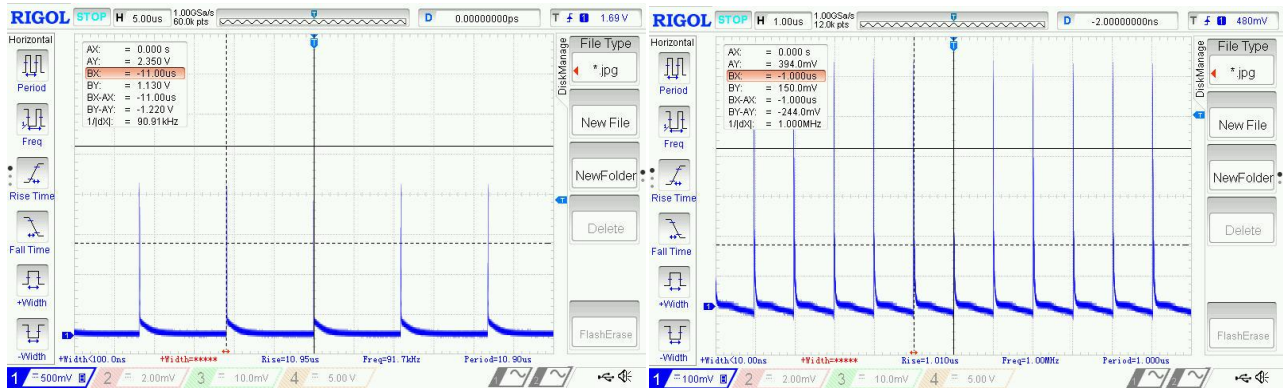
Master oscillator power amplifier (MOPA) and pulsed laser seed are new products released in 2017 by North Photonics LLC. These turn-key solutions are targeting customers looking for pulsed laser source or seed laser to build their pulsed fiber laser system in MOPA structure with moderate output power and low repetition rate.

Parameter	Unit	OEPLS-PS-100				
Operating Wavelength	nm	1060		1550		1650
Type		Seed	MOPA	Seed	MOPA	MOPA
Pulse width	ps	10-200	10-200	0.1-200	10-200	10-10000
Repetition rate	Hz	200k-50M	200k-50M	30k-50M	30k-50M	~100k
ASE suppression	dB	~40	~40	~40	~40	~40
Average power	W	< 0.1	< 5	< 0.1	< 5	< 2
Output fiber type	-	Hi 1060		SMF28e+		SMF28e+
Output port	-	FC, ST, SC or custom	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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OEPLS-PS-100 spectrum and pulse shape at 1060 nm.



OEPLS-PS-100 pulse train at 92kHz and 1 MHz.

- All specifications are subject to change without notice.

Ordering number:

OEPLS-PS-100-WL-P-RW-X:	WL	P	R	W	X
	1060 1550 1650	Average power (W)	Repetition rate	Pulse width (ps)	S: Seed M: MOPA
Example:	OEPLS-PS-100-1550-3-100k-50-M				