O/E LAND INC.
7639 Cordner
Lasalle, QC, Canada, H8N 2X2
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[OEPLS-PS-100]

Pulsed Laser Sources (Picoseconds)

Features:

- All-fiber structure
- Self-starting
- TEM_{00} 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 provided in different center wavelengths. 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. The applications include but not limited to spectrometry, industrial and medical/biomedical, etc. Specifically, the high-power UV pulsed laser sources are useful LS in medical application for disinfection purposes.

Parameter	Unit	OEPLS-PS-100 (UV and Visible)		
Operating Wavelength	nm	**266**	**515**	**532**
Pulse width	ps	1-3	0.5-3	1-3
Repetition rate	MHz	~30	~30	~30
Average power	W	< 50		
Output port	-	Collimator (Free Space)		
Operating temperature	°C	10-50		
Dimensions	cm	50 x 60 x 30		

Parameter	Unit	OEPLS-PS-100 (Near and Mid Infrared)				
Operating Wavelength	nm	**1060**		**1550**		**1650**
Type		**Seed**	**MOPA**	**Seed**	**MOPA**	**MOPA**
Pulse width	ps	10-200	10-200	0.1-200	10-200	10-1000
Repetition rate	Hz	200k-50M	200k-50M	30k-50M	30k-50M	~100k
ASE suppression	dB	~40	~40	~40	~40	~40
Average power	W	< 50				
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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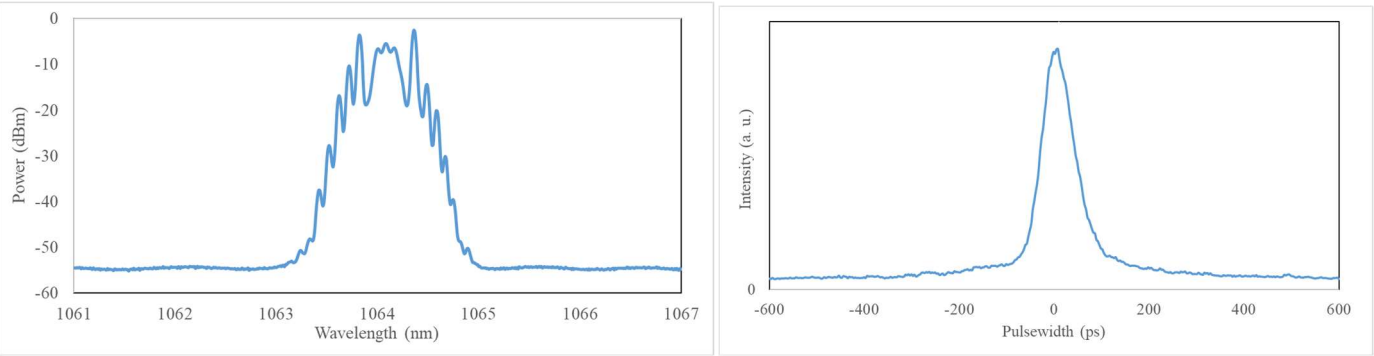
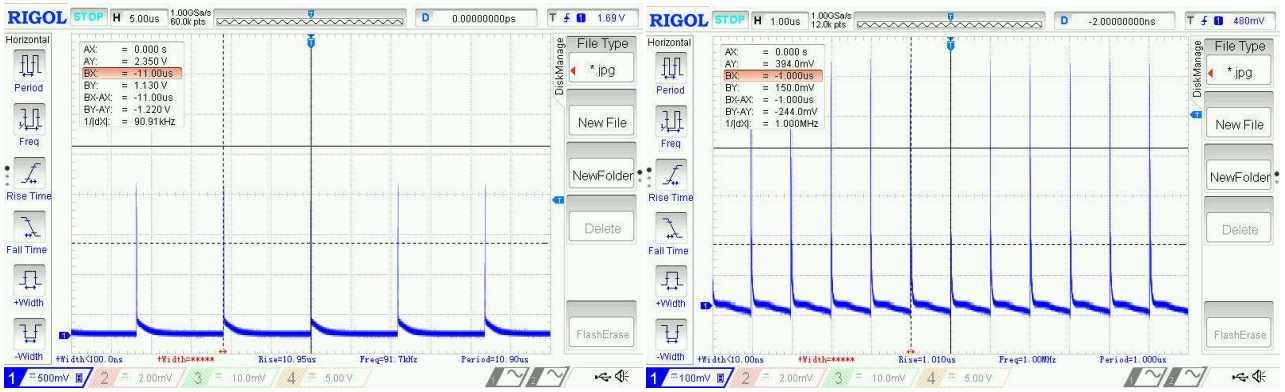
Parameter	Unit	OEPLS-PS-100 (Mid Infrared)	
Wavelength	nm	**2000**	
Type		**Seed**	**MOPA**
Pulse width	ps	10-200	10-1000
Repetition rate	Hz	1M-50M	1M-50M
ASE suppression	dB	~40	~40
Average power	W	< 50	
Output fiber type	-	SM2000	
Output port	-	FC, ST, SC or custom	Collimator, LMA fiber
Operating temp.	°C	10-50	
Dimensions	mm	70 x 190 x 310	



OEPLS-PS-100 spectrum and pulse shape at 1060 nm.



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

Ordering number:

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