O/E LAND INC.
7639 Cordner
Lasalle, QC, Canada, H8N 2X2
Tel:1-514-334-4588
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www.o-eland.com

[OESCS-100 P]

Pulsed Supercontinuum Light Sources

Features:

- High brightness single-mode IR beam
- Outstanding wavelength coverage
- Output Power more than 2 watts
- Turn-key Solution
- Cost Effective

Applications:

- Infrared spectrometry
- Infrared countermeasures
- Spectral fingerprinting
- Hyper spectral imaging
- Research and development

Product description:

O/E LAND Mid Infrared (MIR) super-continuum light sources cover wide range of mid infrared from 1 to ~5 μm with various bandwidths. These products provide high output power of more than 2 watts via single mode fiber (SMF) output. Based on our advanced non-linear fiber optic technology, this light source is specifically targeting applications such as Infrared Spectrometry, IR countermeasures, sensor and R&D.

Parameter	Unit	2L	2H	2.3	3.2	4.5
Wavelength range	μm	1.1-2	1.5-2.1	1.9-2.3	1.5-3.2	1.5-4.5
Bandwidth(-10dB)	nm	~ 900	~ 600	~ 400	~1500	~ 3500
Output power	mW	> 20	>500	40-200	300	> 1000
Spectral Density	mW/nm	-	-	-	0.5	0.6
Repetition rate	Hz	0.2-20 M	0.2-20 M	200 k	~ 50 k	4.5 M
Pulse width	ps				8	12
output polarization	-	linear, random	linear, random	linear, random	random	random
Output fiber type	-	SMF, PMF			SM-ZEBLAN, free space	
Output connector	-	FC/APC, FC/PC, SMA			FC/APC or collimated beam	
Operating temperature	°C	5C- 45 C	5 C- 45 C	5 C- 45 C	5 C- 45 C	5 C- 45 C
Dimensions	mm xmmxmm	70 x 190 x 310			160 x 320 x 370	

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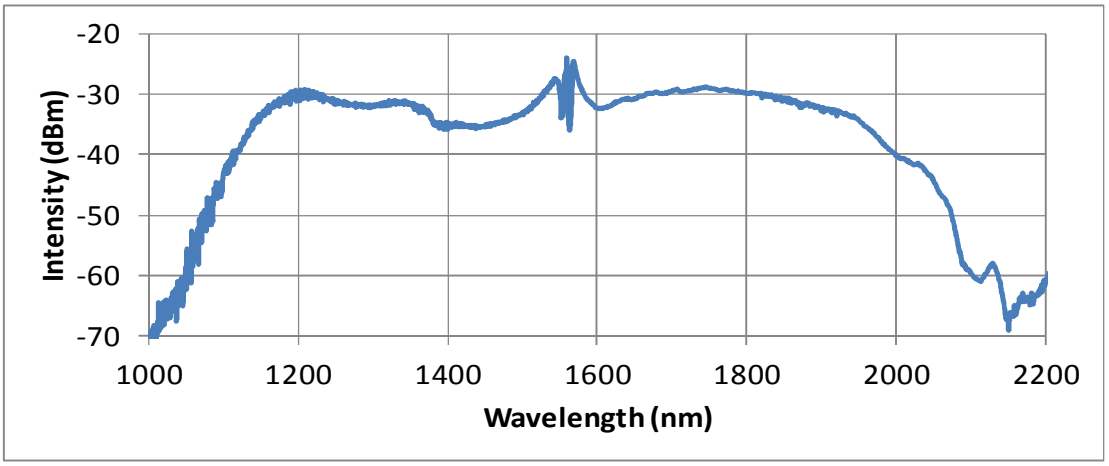
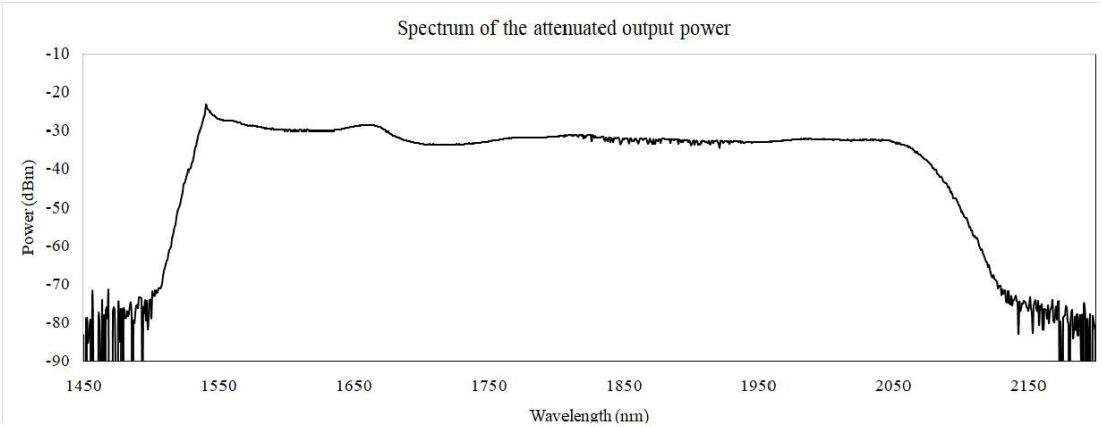
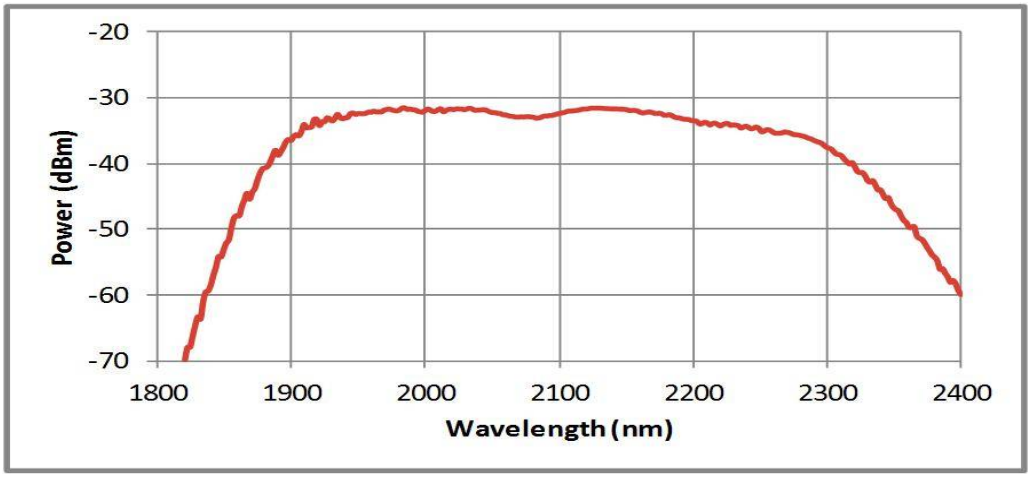


Spectrum of OESCS-100 - 2L µm



Spectrum of OESCS-100 - 2H µm



Spectrum of OESCS-100 - 2.3µm

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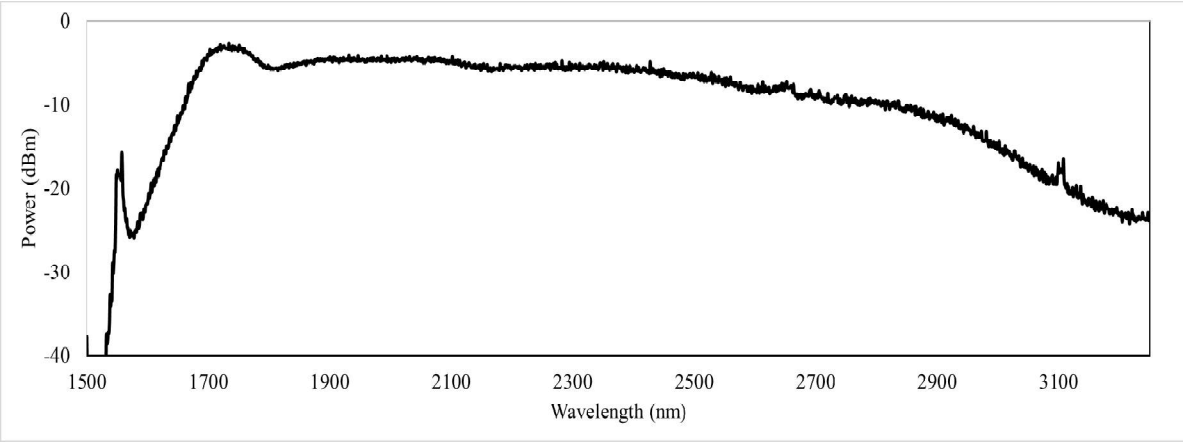
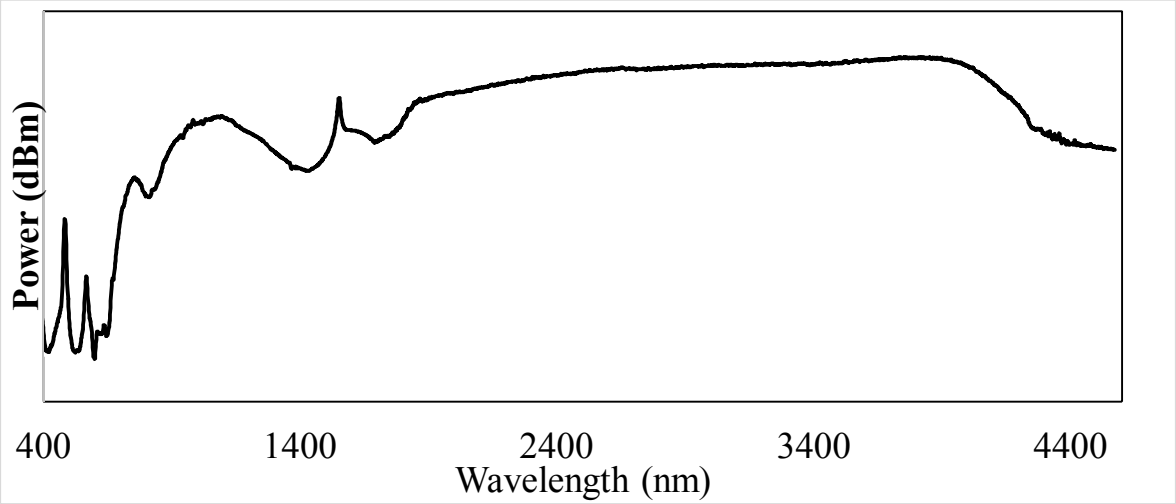


Spectrum of OESCS-100 - 3.2 µm



Spectrum and pulse shape of OESCS-100 - 4.5 µm

Ordering number:

OESCS-100-P-WL-W-R:	WL (µm)	W	R
	2L 2H 2.3 3.2 4.5	Average power (mW)	Repetition rate
Example:	OESCS-100-P-2L-30-10M		