



O/E Land Inc.

7639 Cordner, Lasalle, Quebec, H8N 2X2, Canada
(514)334-4588 www.o-eland.com

OEBSL-200/OEBSL-200A SLD Broadband Light Source

Description

The OEBSL-200 and OEBSL-200A SLD Broadband Light Sources are based on the Superluminescent Light Emitting Diode. O/E Land Inc. makes a series of SLD light sources at different wavelength bands and output power rates. The SLD light source is mid-power, very stable fiber-optic source. It is ideal for component testing.

OEBSL-200 is the basic model with fixed-power output; OEBSL-200A has additional output power adjustment and power/current display functions.

OEBSL-200 series are available in 1, 2 or multiple channel configurations for S+C+L bands.



OEBSL-200

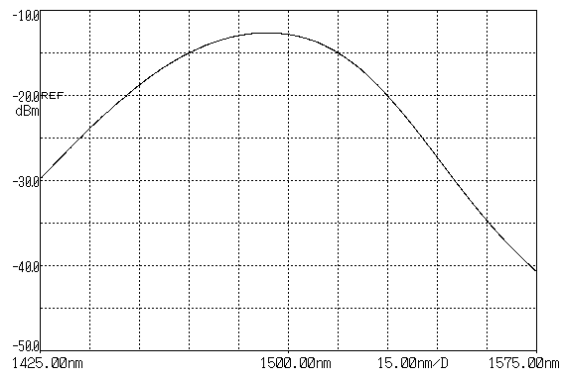


OEBSL-200A

Applications

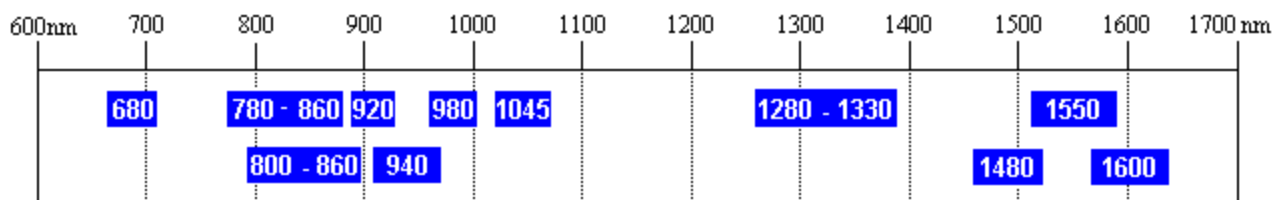
- o Component characterization
- o Return loss measurement
- o Passive WDM component testing
- o Sensor Instrumentation
- o Optical Coherence Tomography
- o Near-Infrared Spectroscopy

Power Spectrums



1480nm Band

Available Wavelength Bands





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Specifications

Band (nm)	Wavelength span ¹ (nm, FWHM)	Output power (mW, Typical)	Power stability ^{2,3} (dB)
680	>10	1.0	< ±0.01
		5.0	< ±0.02
780 - 860	>20	4.0	< ±0.02
800 - 860	>20	12.0	< ±0.03
830	>50	1.0	< ±0.01
920	>30	1.0	< ±0.01
940	>70	4.0	< ±0.02
980	>30	1.0	< ±0.01
1045	>30	1.0	< ±0.01
1280 - 1330	>70	0.7	< ±0.01
	>40	1.5	< ±0.01
	>35	7.0	< ±0.02
1440 - 1610	>60	1.0	< ±0.01
1480	>40	3.0	< ±0.02
1550	>40	3.0	< ±0.02
	>50	15.0	< ±0.03
1600	>60	1.0	< ±0.01

Notes:

1. -3dB bandwidth.
2. After one hour warm up.
3. The stability is expressed as ± half the difference between the maximum and minimum values during one hour.

General Specifications

Output Connector	FC/APC
Output Fiber	SMF-28
Display ⁴	Optical output power: 0 to 199.9mW Pump laser current: 0 to 1999mA
Output control ⁴	Front panel knob control: Minimum to Maximum
Protection	Over current limit
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-10°C to 70°C (14°F to 158°F)
Relative humidity	0% to 95% non condensing
Size (H x W x D)	115mm x 250mm x 250mm
Power supply	110V/220V, 50/60Hz

Notes:

4. Available for OEBSL-200A only