



OEBSL-300/OEBSL-300A SOA Broadband Light Source

Description

The OEBSL-300 and OEBSL-300A SOA Broadband Light Sources are based on the Semiconductor Optical Amplifier. The SOA light source provides wide bandwidth, good stability and small ripple. It is the best performance light source so far.

OEBSL-300 is the basic model with fixed-power output; OEBSL-300A has additional output power adjustment and power/current display functions. O/E Land Inc. makes SOA light sources at 1310nm and 1550nm band.

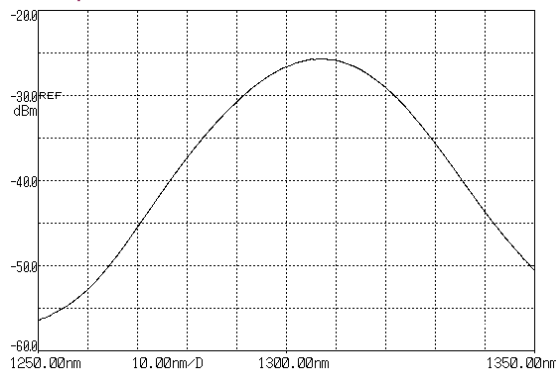


OEBSL-300



OEBSL-300A

Power Spectrums



1310nm Band

Available Wavelength Bands

- o 1310nm
- o 1550nm

Applications

- o Component characterization
- o Return loss measurement
- o Passive WDM component testing
- o Sensor Instrumentation



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Specifications

Band (nm)	Wavelength span ¹ (nm, typical)	Output power (mW, Typical)	Power stability ^{2,3} (dB)
1310	65	0.1	< ±0.01
1550	65	0.2	< ±0.01

Notes:

1. -30dB 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-300A only