

[OELAS-SLS-LOW-SFL]

Single Frequency Low Swept Laser

Features:

- Bidirectional sweeping
- Mode-hop free laser
- Stand-alone operation
- Custom wavelength reference
- Electrical square wave trigger
- Scanning ON/OFF switch



OELAS-SLS-LOW-SFL

Applications:

- Fiber sensor systems
- Optical component testing
- OCT
- Biomedical
- Spectroscopy

Product description:

Based on our advanced electrically tunable filter, we provide a new swept laser source in 1060, 1310 and 1550 nm range. The sweeping is bidirectional, but one directional sweeping can be obtained by using the provided electrical trigger or by adding an optical switch (optional). This swept laser source is intended for a wide range of applications including fiber sensor systems, fiber component testing, OCT, biomedical, spectroscopy, instrumentation, etc. This device provides an electrical square-wave trigger signal for synchronization purposes. With custom wavelength reference (optional), signal acquisition becomes much simpler.

Parameter	Unit	OELAS-SLS-LOW-SFL
Operating Wavelength	nm	800 – 2000
Tuning range	nm	~30
Repetition rate	Hz	5-200, bidirectional
Linewidth	kHz	< 100
ASE suppression	dB	> 50
Output power	mW	~ 5
Output fiber type	-	SM or PM
Operating temperature	°C	10-50
Dimensions	mm	70 x 190 x 310



7639 Cordner
Lasalle, QC, Canada, H8N 2X2
Tel: 1-514-334-4588
Fax: 1-514-334-0216
www.o-eland.com