

[OELAS-SLS-LOW-STD]

Standard 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-STD

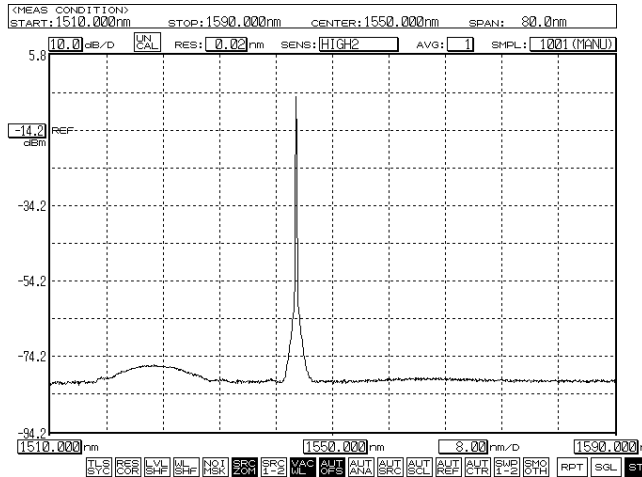
Applications:

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

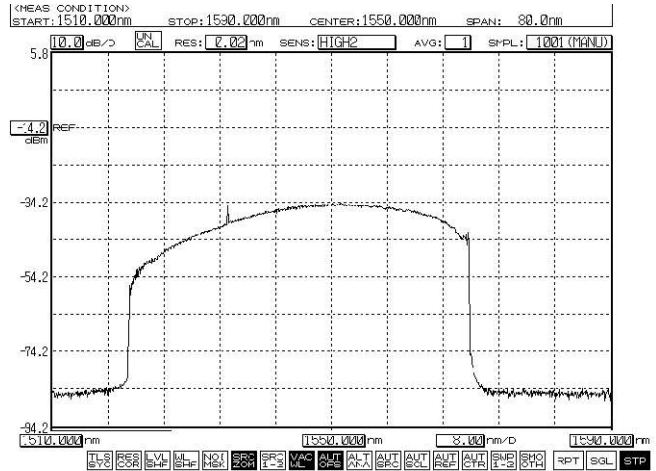
Product description:

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.

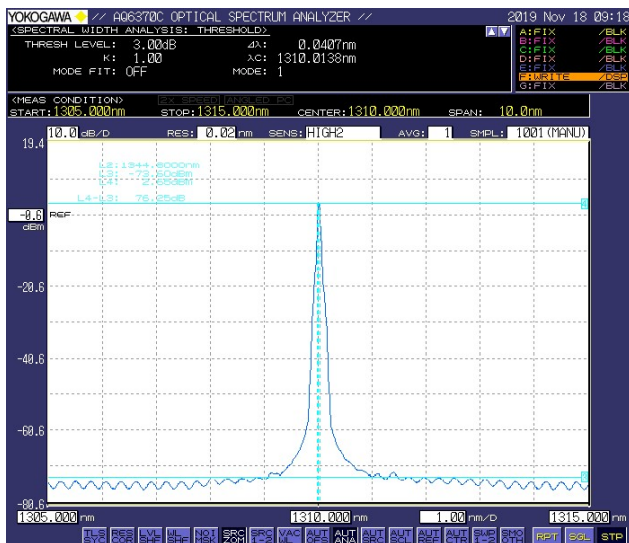
Parameter	Unit	OELAS-SLS-LOW-STD
Operating Wavelength	nm	800 – 2000
Tuning range	nm	~50
Repetition rate	Hz	~640 or ~1280, bidirectional
FWHM	nm	< 0.05
ASE suppression	dB	> 50
Output power	mW	~ 5
Output fiber type	-	SM or PM
Operating temperature	°C	10-50
Dimensions	mm	70 x 190 x 310



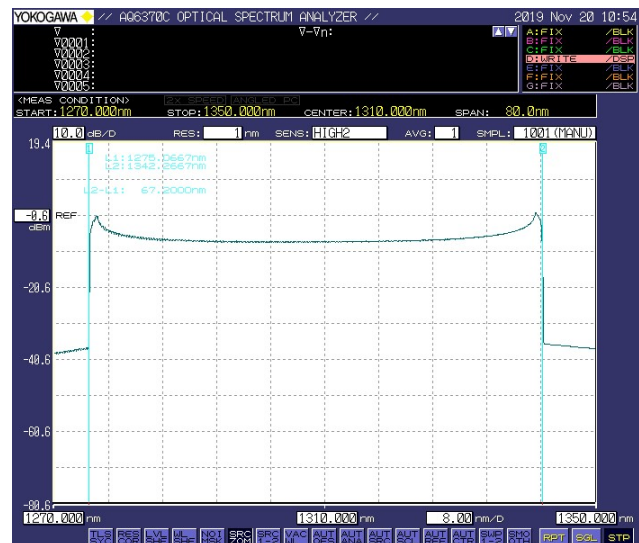
Laser output when sweeping is OFF at 1550nm.



Swept laser spectrum at 1550nm.



Laser output when sweeping is OFF at 1310nm.



Swept laser spectrum at 1310nm.

Ordering number:

OELAS-SLS-LOW-STD-WL-P:	WL	P
	1060, 1310, 1550	Average power (mW)
Example:	OELAS-SLS-LOW-STD-1550- 2	



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