

OSICS SLD

BROADBAND LIGHT SOURCE



Broadband light sources featuring superluminescent light-emitting diodes (SLD or SLED), a broad spectral range, high output power and excellent power stability.

SPEC SHEET

KEY FEATURES

High output power

Excellent power stability

Isolator feature

Broad wavelength range

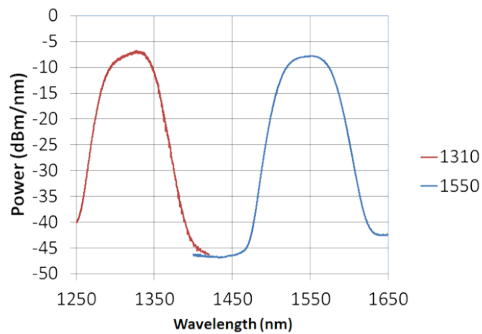
KEY FEATURES

High output power: +10 dBm

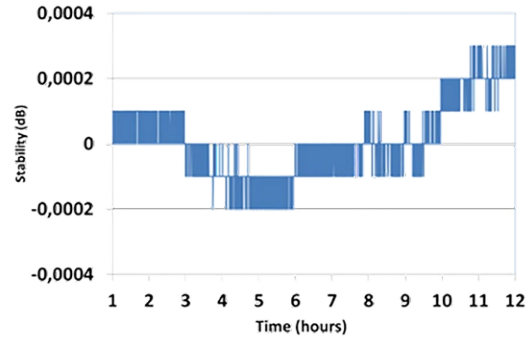
Excellent power stability: The module’s monitoring photodiode provides power for real-time feedback, delivering extremely stable output power. This eliminates the need for frequent referencing during component testing.

Isolation: The module features an isolator to maintain power stability even in the presence of back reflections from a test setup.

Broad wavelength range: ~ 150 nm range with a spectral power density higher than –40 dBm/nm.



Optical spectrum



Power stability over 12 hours

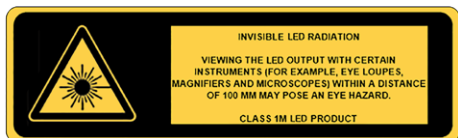
SPECIFICATIONS

		OSICS SLD 1300	OSICS SLD 1550
Central wavelength ^{a, b}		1320 nm	1540 nm
Spectral width ^c	-3 dB (FWHM)	50 nm	
	-10 dB	80 nm	
	-20 dB	100 nm	
	-30 dB	125 nm	
Output power	50 nm	10 mW	
	80 nm	5 mW	
Power stability over temperature range		±0.01 dB	
Power stability at constant temperature		±0.01 dB	
Optical fiber		SMF	
Optical interface		FC/APC connector	

Notes

- a. Typical.
- b. ±20 nm.
- c. Guaranteed at output power = 5 mW.

LASER SAFETY



ORDERING INFORMATION

OS-SLD-XX-58

Central wavelength

1300 = 1320 nm

1550 = 1540 nm

Connector

58 = FC/APC

Example: OS-SLD-1300-58

EXFO Headquarters > Tel.: +1 418 683-0211 | Toll-free: +1 800 663-3936 (USA and Canada) | Fax: +1 418 683-2170 | info@EXFO.com | www.EXFO.com

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