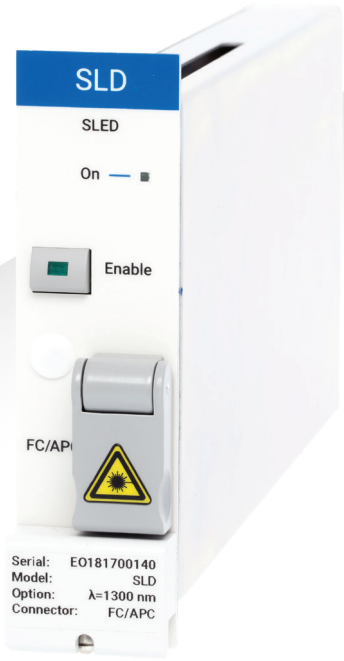
OSICS SLD

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.

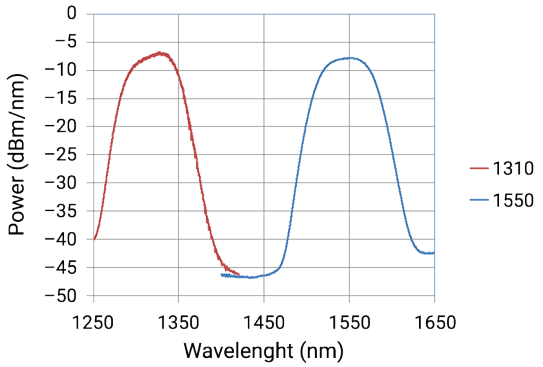


Figure 1. Optical spectrum

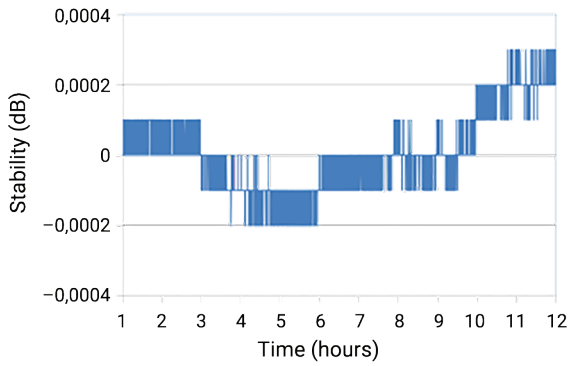


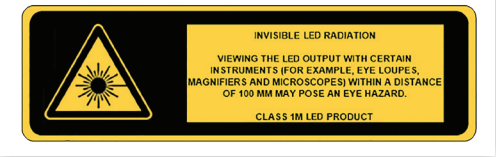
Figure 2. Power stability over 12 hours

SPECIFICATIONS

		OSICS SLD 1300	OSICS SLD 1550
Central wavelength (nm) [a, b]		1320	1540
Spectral width [c]	–3 dB (FWHM)	50 nm	
	–10 dB	80 nm	
	–20 dB	100 nm	
	–30 dB	125 nm	
Output power (mW)	High	10	
	Low	5	
Power stability over temperature range (dB) [d]		±0.1	
Power stability at constant temperature (dB)		±0.01	
Optical fiber		SMF	
Optical interface		FC/APC connector	

a. Typical.
b. ±20 nm.
c. Guaranteed at output power = 10 mW.
d. Operating temperature range 15 °C to 35 °C.

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

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