

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.

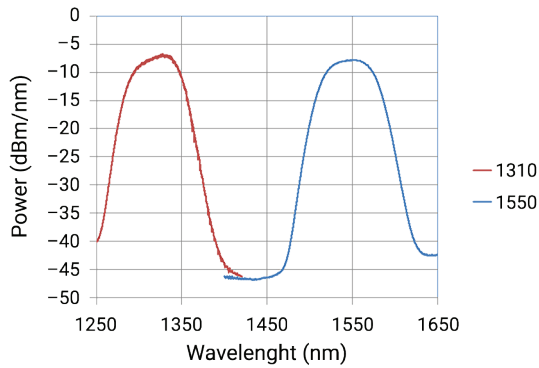


Figure 1. Optical spectrum

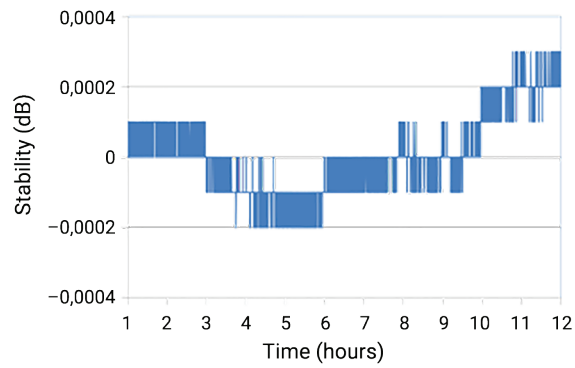


Figure 2. Power stability over 12 hours

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

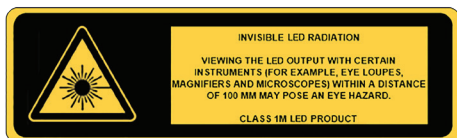
a. Typical.

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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