

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.

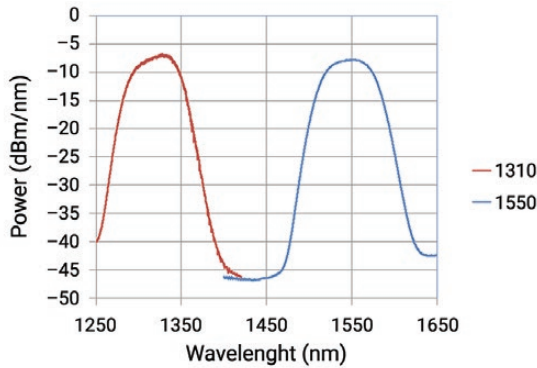


Figure 1. Optical spectrum

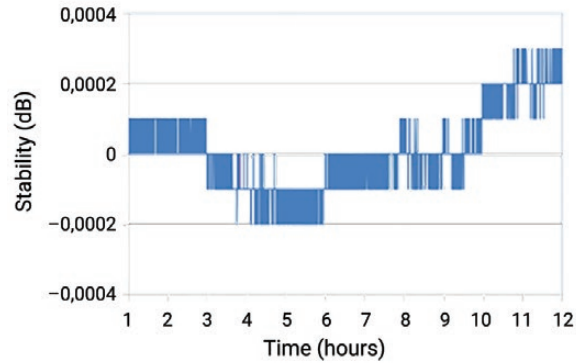


Figure 2. Power stability over 12 hours

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	50 nm	10 mW	
	80 nm	5 mW	
Power stability over temperature range (dB)		±0.1	
Power stability at constant temperature (dB)		±0.01	
Optical fiber		SMF	
Optical interface		FC/APC connector	

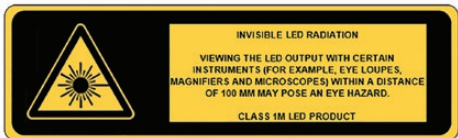
Notes

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

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