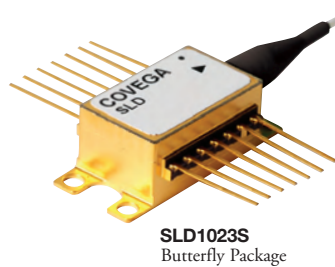
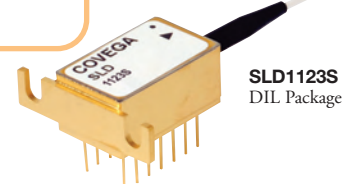


1280 nm Superluminescent Diodes



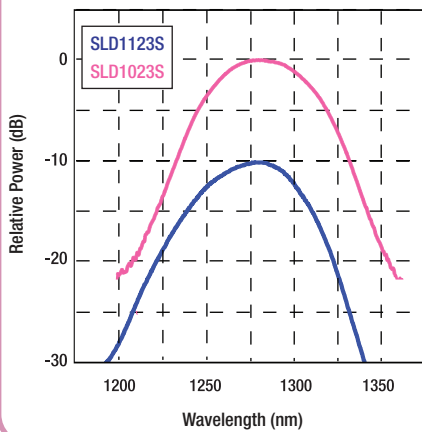
Features

- Standard Butterfly and DIL Packages
- Integrated TEC Element and Thermistor
- SM Fiber-Coupled Output
- FC/APC Connector



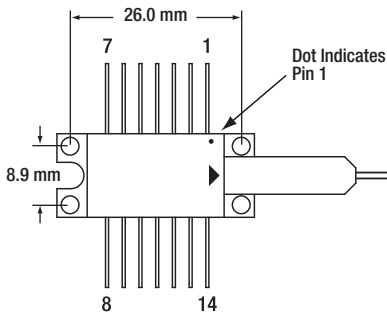
Superluminescent Diodes (SLDs) are excellent high-power broadband light sources for use as ASE Light Sources and in applications like Optical Coherence Tomography (OCT) Imaging Systems and Fiber Optic Gyroscopes (FOGs). The SLDs offered here are Indium Phosphide (InP) devices manufactured by Covega, Thorlabs' Quantum Electronics Division. They are available in either a standard butterfly or dual in-line (DIL) package. Each device has an integrated thermoelectric cooler (TEC) and thermistor to ensure output stability. The output is coupled into an SM fiber terminated with an FC/APC connector.

Gain versus Wavelength



Optical Power Meters

- Large Selection of Sensors and Meters
- Interchangeable Sensors with NIST-Traceable Calibration Data
- Sensors for Measurements from 100 pW to 250 W, 190 nm to 25 μ m



Pin Description

1 +TEC	14 -TEC
2 Thermistor	13 Case
3 NC	12 NC
4 NC	11 Dev Cathode
5 Thermistor	10 Dev Anode
6 NC	9 NC
7 NC	8 NC

Optical-Electrical Characteristics

ITEM#	Parameter	Symbol	SLD1123S			SLD1023S		
			Min	Typical	Max	Min	Typical	Max
	Center Wavelength	λ	1260 nm	1280 nm	1300 nm	1270 nm	1280 nm	1290 nm
	ASE Power		1 mW	1.5 mW	–	10 mW	15 mW	–
	Optical Bandwidth	BW	75 nm	95 nm	–	40 nm	45 nm	–
	RMS Gain Ripple	ΔG	–	–	0.25 dB	–	–	0.35 dB
	Operating Current	I_{OP}	–	500 mA	600 mA	–	600 mA	800 mA
	Forward Voltage	V_F	–	1.6 V	2.0 V	–	1.4 V	2.0 V

ITEM#	\$	£	€	RMB	DESCRIPTION
SLD1123S	\$ 1,275.00	£ 883.90	€ 1.132,00	¥ 10,767.00	1 mW, 75 nm BW SLD, CWL: 1280 nm, DIL Pkg, SM Fiber, FC/APC
SLD1023S	\$ 2,150.50	£ 1,491.00	€ 1.909,00	¥ 18,159.00	10 mW, 45 nm BW SLD, CWL: 1280 nm, Butterfly Pkg, SM Fiber, FC/APC