



ASE-SCL-B



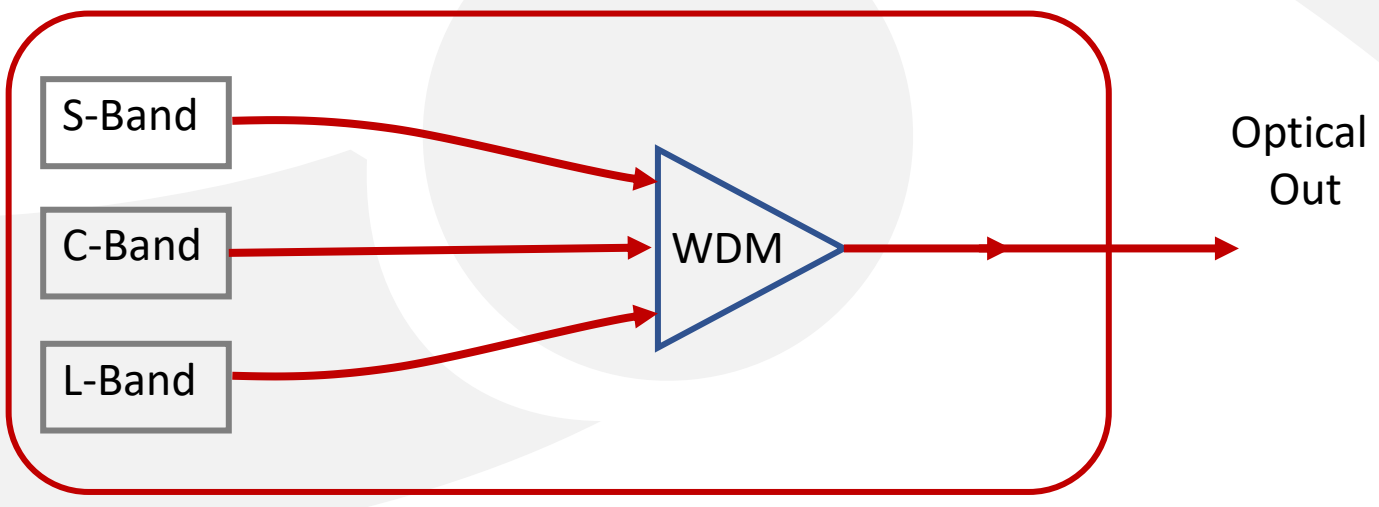
DEVICE **Broadband ASE Source, S, C & L-Band Benchtop, Up to 20mW**

OVERVIEW The Optilab ASE-SCL-B is an Amplified Spontaneous Emission (ASE) based broadband light source, designed for general laboratory applications. The ASE-SCL-B is a reliable and cost-effective benchtop unit that can be ordered with various output power levels. The LD operating temperature and drive current are precisely monitored by a micro-controller to ensure constant output power and emission wavelength stability. With its simple and intuitive front panel interface, the user can control the ASE source output power level by adjusting the drive current along with local and remote status monitoring, contact Optilab for more information.

- FEATURES
- Emission wavelength 1460 nm - 1610 nm
 - Minimal ripple in emission spectrum
 - Gain Flattening
 - Up to 20 mW Total Power
 - Monitoring and control Via USB
 - Optional Variable Optical Attenuator

- USE IN
- Fiber Optic Sensing
 - Optical Tomography
 - DWDM component characterization
 - Optical gyroscope

FUNCTION DIAGRAM





SPECIFICATIONS

Wavelength Range	1460 nm to 1610 nm
Spectral Flatness	± 2.5 dB
Output Power	20, 50 mW
LD control	Bias current
Output Power Stability	± 0.2 dB over 8 hours
Center Wavelength Stability	± 0.1 nm over 8 hours
Optical Isolation	30 dB min.

GENERAL

Operating Temperature	10° C to +50° C
Storage Temperature	-10° C to +70° C
Operating Humidity	0% to 85% Relative Humidity
Power Supply	100 - 240 VAC, 50 - 60 Hz AC
Power Consumption	60 W max.
Housing Dimensions	Benchtop, 14" x 12.5" x 3.5"
Control / Monitoring	Pump Current, Output Power,
Remote Control	RS-232 via USB
Display	Pump Current, Output Power
Optical Connectors	FC/APC and other options
Optical Fiber Type	SMF-28

MECHANICAL

ORDERING OPTION

ASE-CL-**XX**-B

XX 20 (Output Power in mW)

