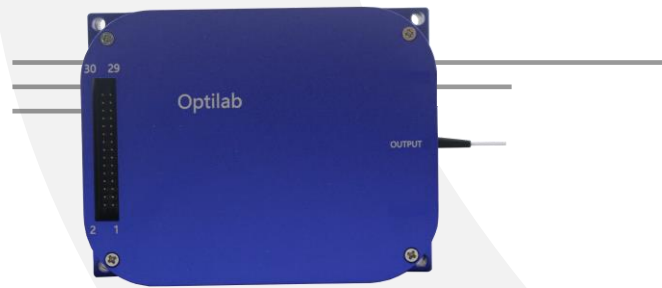


ASE-C-80-MSA-1



ASE Source, C-Band MSA Module, 80 mW

OVERVIEW

The Optilab ASE-C-80-MSA-1 is an Amplified Spontaneous Emission (ASE) based broadband light source, designed for general laboratory applications. The ASE-C-80-MSA-1 is a reliable and cost-effective unit that can be ordered with multi channel options. The LD operating temperature and drive current are precisely monitored by a micro-controller to ensure constant output power and emission wavelength stability. With compact size configuration, it's also suitable for OEM integration, User can control the ASE source output power level by adjusting the drive current along with remote status monitoring, contact Optilab for more information.

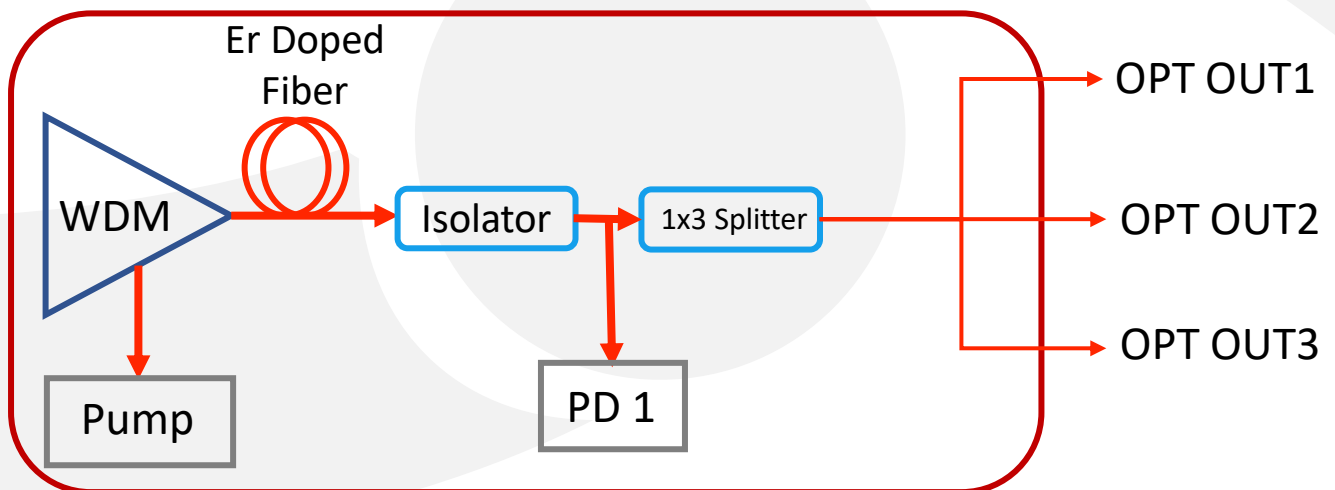
FEATURES

- Emission wavelength 1527 nm - 1565 nm
- Minimal ripple in emission spectrum
- 980 nm pump
- Compact MSA footprint
- Up to 80 mW per channel
- Monitoring and control Via USB

USE IN

- Fiber Optic Current Sensing
- Optical Tomography
- IMU Integration
- DWDM component characterization
- Optical gyroscope
- White light interferometer

FUNCTION DIAGRAM





ASE-C-80-MSA-1

SPECIFICATIONS

GENERAL

Wavelength Range	1527 nm to 1565 nm
Output Power	80 mW typ.
LD control	Bias current
Output Power Stability	± 0.5 dB over 8 hours
Spectral Width	37 nm min., 40 nm typ.
Spectral Flatness	± 2.0 dB typ.
Spectral Ripple	2.5% typ.
Center Wavelength Stability	< ± 0.1 nm over 8 hours
Coherent Length	30 um typ.
Optical Isolation	30 dB min.
Output Power Monitoring	Integrated

MECHANICAL

Operating Temperature	10° C to +50° C
Storage Temperature	-10° C to +70° C
Power Supply	+5 V DC, 4.0 A max.
Power Consumption	5 W typ.
Housing Dimensions	90 mm x 70 mm x 29 mm
Connector (Power and Control)	2 x 15 pin header, 1.0 mm pitch
Remote Control	RS-232 via USB
Optical Connectors	FC/APC and other options
Optical Fiber Type	SMF-28
Power Adapters	30 Pin to Molex and USB Adapter, included
Matching Power Supply	Optilab PS-5-M, optional accessory



ASE-C-80-MSA-1

ACCESSORIES



**5V Power Adapter
(Included)**



**30 PIN Cable
(Included)**



**Adapter Box
(Included)**

