

Broadband Single-Mode Light Sources

(540, 850, 1300, 1480, 1550, 1610, 1900, 2000, and 2400nm)

Product Description

This series of ASE (Amplified Spontaneous Emission) light sources are single mode light source with a broad emission spectrum and relatively low-coherent. Our unit feature precision feedback control to provide high stability for accuracy measurement applications. The device is based on rare-earth-doped fibers with a pumping laser that is cooled for longevity. With the wide availability of doped fibers, we offer fiber optical light source with a wide range of wavelengths; including 540 nm, 850 nm, 1300 nm, 1480 nm, 1550nm, 1610nm, 1900nm, 2000nm, and 2400nm. They are the ideal light sources for FBG sensors, OCT, fiber optic gyroscopes, gas sensors, and fluorescence excitation, as well as for measurement of optical components. We produce both modular for system integration and stand-alone bench-top for ease in uses.



Performance Specifications

ASE Light Source	Min	Typical	Max	Unit
Center Wavelength	540, 850,1060, 1030,1550 1600, 1950,2000,2400 nm			
Bandwidth		+20		nm
Output Power	5	10	100	mW
Polarization Dependence			0.01	dB
Polarization Extinction (PM)	18	20	25	dB
Output Power Stability	0.05	0.1	0.2	dB
Output Isolation			10	dB
Input Voltage (AC)	110	110	220	V
Computer Interface	USB			
Power Consumption			20	w
Bias Voltage Range	-15		15	V
Operating Temperature	-5		60	°C
Storage Temperature	-45		85	°C

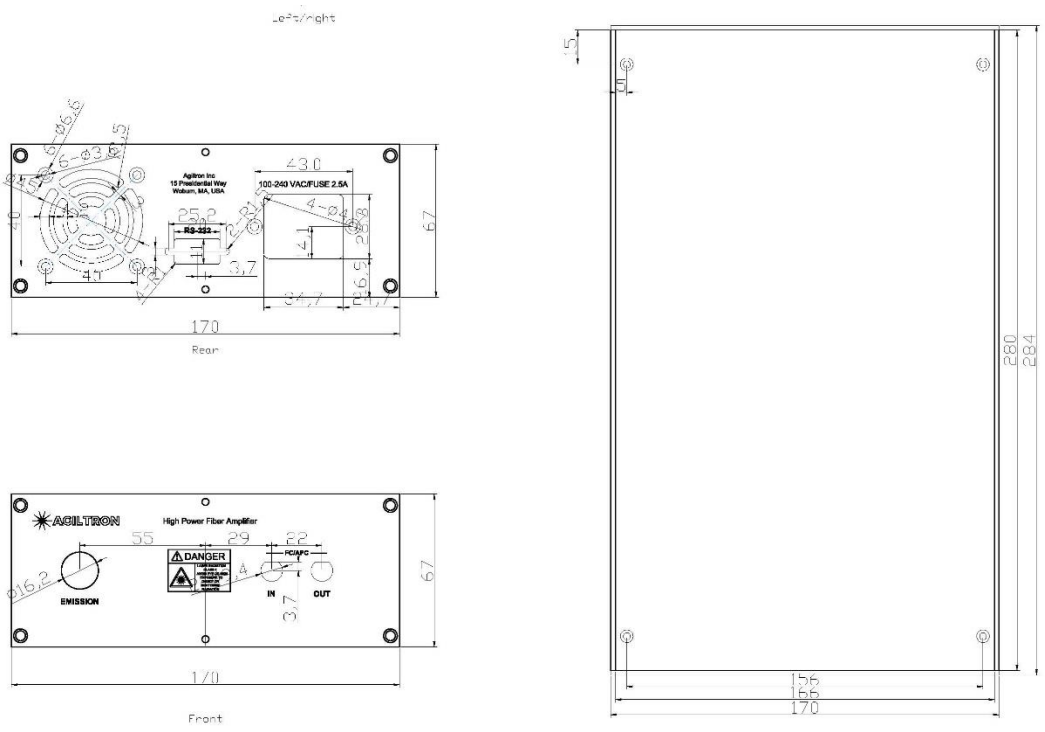
Features

- High Stability
- Low Cost
- Ease to Use

Applications

- Laboratory Uses
- Testing
- Instrumentation

Dimensions (Unit: mm)



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Electrical/Computer Connection

Ordering Information

Prefix	Config	Wavelength	Polarization	Output Power	Interface	1	1	Connector
ASES-	benchtop=1 component=2	540nm=1 850nm=2 1300nm=3 1480nm=4 1060nm=5 1550nm=6 1610nm=7 1520-1604=B 1950nm=8 2000nm=9 2040nm=D	random=1 maintaining=2	2mW=02 5mW=05 10mW=10 40mW =40 50mW=50 99mW =99 100mW =1A 200mW =2A	non=1 USB=2 RS232=3 Special =0			None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 Special=0

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Typical Spectrum

