

## 2 Micron ASE Light Source

### AP-ASE-2000

Amplified spontaneous emission (ASE), also called superluminescence, is the emission of fluorescence that is amplified along the gain medium. AdValue Photonics' near 2 micron ASE source exhibits broad bandwidth with excellent spatial coherence and low temporal coherence.

#### Applications:

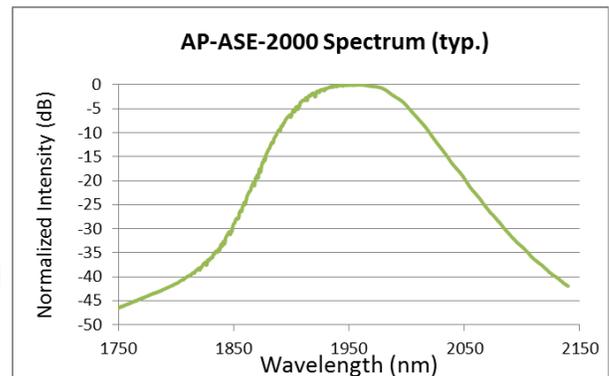
- Optical component testing
- Gas analysis
- Biomedical analysis
- Spectroscopy
- Research & development

#### Broad Bandwidth!



#### Features:

- Broadest bandwidth
- High output power
- Near diffraction limited beam quality
- Turn-key system with no maintenance required



#### Optical Characteristics:

Parameter	Specification
Operation mode	CW
Center wavelength	1.95±0.03 µm
Output power (nominal)	20 mW
Bandwidth (-20dB)	>170 nm
Output power stability	±5% (at 25°C)
Beam quality, M <sup>2</sup>	< 1.1
Output polarization	Random (option: linear polarization)
Output fiber and connector	SMF-28 single mode fiber, 3 mm jacket, 1 m length, FC/APC connector

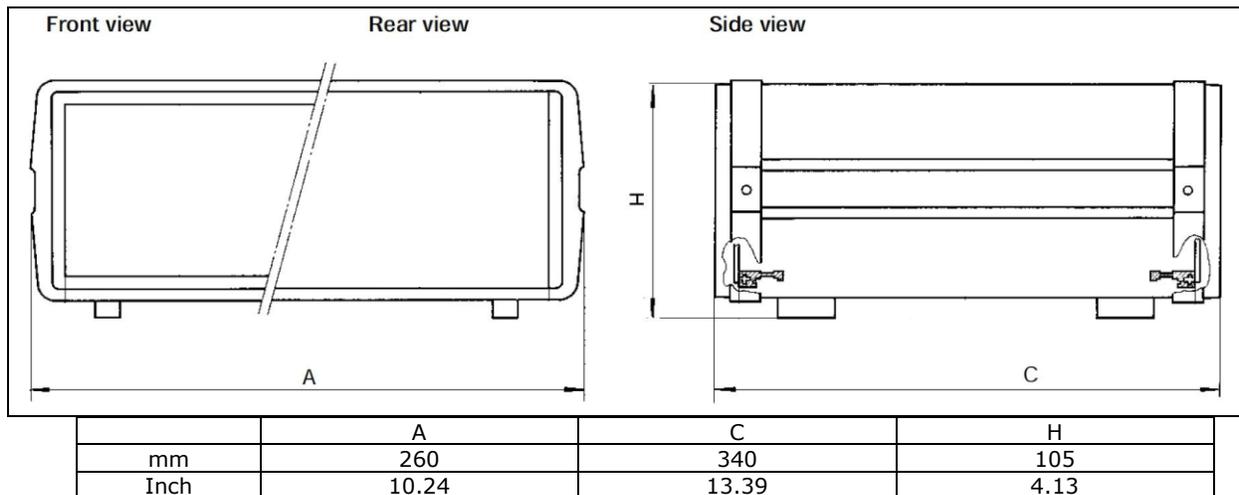
(For special requirement, please contact AdValue Photonics for options.)

*Specifications subject to change without notice*

## General Characteristics:

Parameter	Specification
Operating temperature	10 to +35 °C
Storage temperature	-10 to +65 °C
Cooling	Forced air
Power requirement	AC 100~240 V (50/60Hz)
Warm-up time	10 minutes
Package dimensions	260(W) x 340(D) x 105(H) mm

## Mechanical Outline:



## Ordering Information:

<b>Part Number:</b>	<b>AP-ASE</b>	<b>-</b>	<b>2000</b>	<b>-</b>	<b>mxxx</b>	<b>-</b>	<b>xx</b>
					Output Power: m010 = 10 mW m020 = 20 mW		Polarization: RP = random polarization LP = linear polarization



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