

## 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 media. AdValue Photonics' near 2 micron ASE source exhibits broad bandwidth with excellent spatial coherence and low temporal coherence.



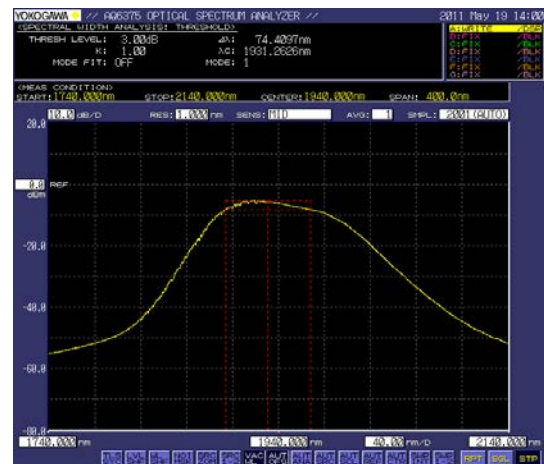
### Applications:

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



### Features:

- Broadest bandwidth
- High output power
- Diffraction limited beam quality
- Turn-key system with no maintenance



### Optical Characteristics:

Parameter	Specification	
Operation mode	CW	
Center wavelength	1.95±0.03 µm	
Output power (nominal)	20 mW	10 mW
Bandwidth (-20dB)	>170 nm	>170 nm
Output power stability	±5% (at 25°C)	±5% (at 25°C)
Beam quality, M <sup>2</sup>	< 1.1	< 1.1
Output polarization	Random	Linearly polarized
Output fiber and connector	SMF-28 single mode fiber 3 mm jacket, 1 m length FC/APC connector	Panda PM1550 fiber 3 mm jacket, 1 m length FC/APC connector, keyed to slow axis

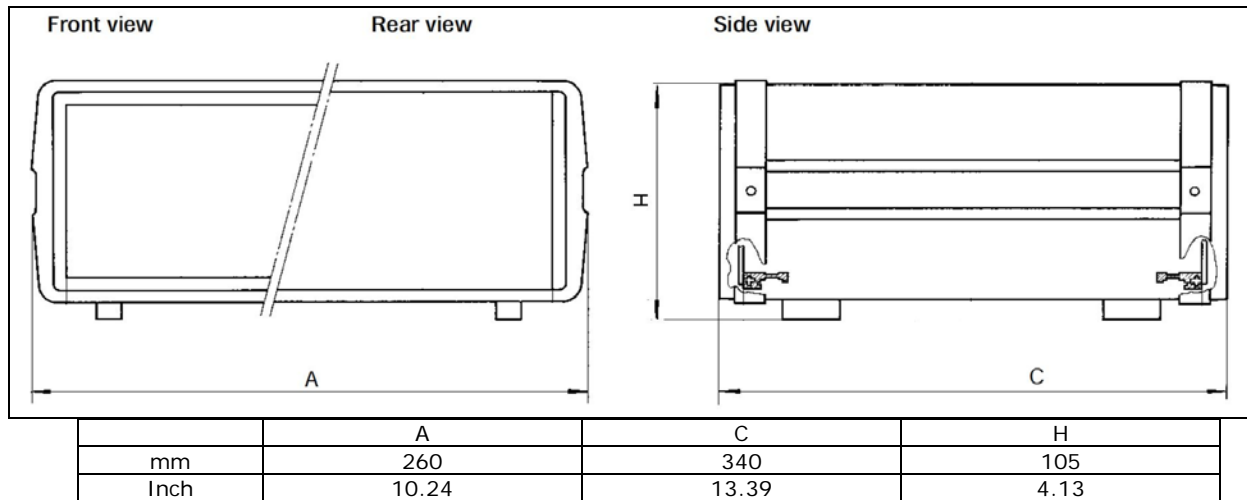
*Specifications subject to change without notice*

## 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

Notes: Higher output power is available based on request.

## Mechanical Outline:



## Ordering Information:

Part Number:	AP-ASE	-	2000	-	mxxx	-	(Polarization)
					Output Power: m020 = 20 mW		Polarization: (no spec) = random polarization LP = linearly polarized

For special request, please contact us for more information at 1-520-790-5468 or [sales@advaluephotonics.com](mailto:sales@advaluephotonics.com).



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