AdValue Photonics
Innovative & Reliable

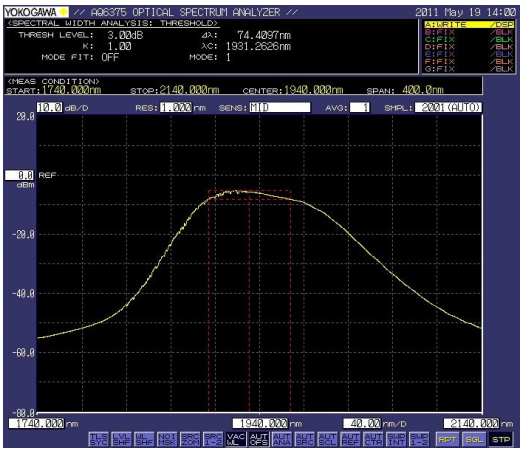
2 Micron ASE Light Source

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



Features:

- Broadest bandwidth
- High output power
- 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	10 mW
Bandwidth (-20dB)	>170 nm	>170 nm
Output power stability	±5% (at 25°C)	±5% (at 25°C)
Beam quality, M^2	< 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

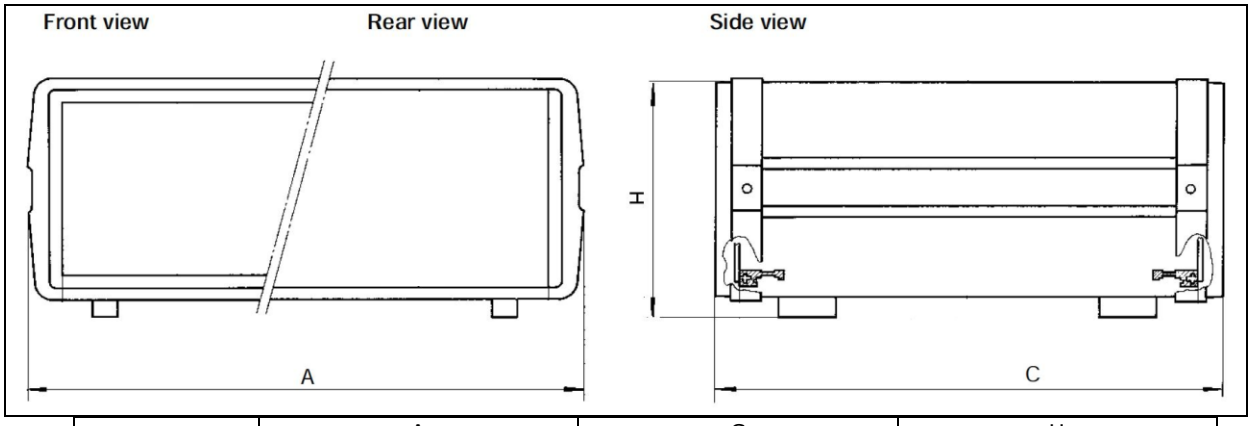
Specifications subject to change without notice

General Characteristics:

Parameter	Specification
Operating temperature	10 to +35 ºC
Storage temperature	-10 to +65 ºC
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 on request.

Mechanical Outline:



	A	C	H
mm	260	340	105
Inch	10.24	13.39	4.13

Ordering Information:

Part Number:	AP-ASE	-	2000	-	mxxx	-	(Polarization)

Output Power:	Polarization:
m010 = 10 mW	(no spec) = random polarization
m020 = 20 mW	LP = linearly polarized

For custom requests, please contact us for more information at 1-520-790-5468 or sales@advaluephotonics.com.

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